新撰數學

五千題解式

[illegible]

明治十八秊六月新鐫

新撰數學五十題解式

大島孝造著

春陽堂藏梓

數学五十題解式

凡例

一此書ハ去冬愚か著せし新撰數學五十題の解式にして雜題を摘て凡四則應用諸術を數百數題の目せるより是を設題内にあて其答を掲載し初学者の便に供す

一四則雜題中にある難きものハ圖解を附し其の理術解得易からしむ

一諸比例の理に係るものハ

直ニ正比例の式ニ起し
二個以上の答を得るもの
の[illegible]を記す
四則算の方
補之識

新撰數學五千題解式

大島孝造編

四則應用

(1) $350-(118+79)=153.$

(2) $360\times50=18000.$

(3) $37\times12=444.$

(4) $2175\div87=25.$

(5) $324\div36=9.$

(6) $125\times25=3125.$

(7) $21\times6=126.$

(8) $136+18=154.$

(9) $372\times35=13020.$

(10) $125-98=27.$

(11) $12\times20=240$

(12) $3550\times45=159750.$

(13) $9729\div23=423.$

(14) $7865\div5=1573.$

(15) $215\times5+35\times2=1145.$

(16) $360+25+18=403.$

(17) $56+49+23+19=147.$

(18) $15\times7=105.$

(19) $230+946+292+404$
$+3060+1205=6137.$

(20) $2550 \div 2 = 1275.$

(21) $136 \div 8 = 17.$

(22) $15 \times 25 = 375.$

(23) $580 \div 10 = 58.$

(24) $764 + 236 = 1000$

(25) $756 \div 28 = 27.$

(26) $12 \times 48 = 576.$

(27) $33079400 - 8647670$〃
〃$= 24431730.$

(28) $25 \times 12 = 300.$

(29) $25 \times 30 = 750.$

(30) $180 \div 12 = 15.$

(31) $4069 \div (365 - 52) = 13.$

(32) $56 \times 36 = 2016.$

(33) $480 \div 16 = 30.$

(34) $144 \div 48 = 3.$

(35) $336 \div 42 = 8.$

(36) $18 \times 8 + 28 \times 2 = 200.$

(37) $168 \times 75 = 12600.$

(38) $55406 \div 13 = 4260.$

(39) $145 \times 25 + 375 = 4000.$

(40) $150 + 75 - 137 = 88.$

(41) $15 \times 83 = 1245.$

(42) $313 - 25 = 288.$

(43) $1 + 2 + 3 + 4 + 5 + 6 + 7$〃
〃$+ 8 + 9 + 10 = 55.$

(44) $75 \div 25 = 3.$

(45) $(8 + 4 + 5) \times 7 = 119.$

(46) $35 \times 32 + 40 \times 28 = 2240.$

(47) $24 + 24 - 8 = 40.$

(48) $18 \times 3 - 6 = 48.$

(49) $144 \times 8 = 1152.$

(50) $(5 + 8) \times 12 = 156.$

(51) $650 \times 36 - 21600 = 1800$

(52) $16 + (2 + 1) \times 5 = 31.$

(53) $7500 - 78 \times 3 = 7266.$

(54) $(15 + 9) \times 8 = 192.$

(55) $(316 \times 20 + 13 \times 10) \div 50 = 129.$

(56) $(1980 \div 12) - (1980 \div 15) = 33.$

(57) $(15 - 7) \times 13 \div 8 = 13.$

(58) $(126\div 6+15)\times 9=324$.

(59) $156\div(5+7)=13$.

(60) $5\times 140\times 4\div 350=8$.

(61) $6590\div 365=18$. 20.

(62) $\begin{cases} 38151217\times 3\times 365, \\ =41775582615. \end{cases}$

(63) $(200-5)\div 15=13$.

(64) $56\times 32\div 2\times 2=448$.

(65) $(12+9)\times 7=147$.

(66) $3125\times 256=800000$.

(67) $12-7+7=12$.

(68) $318\times 27+19=8605$.

(69) $1000-360=640$.

(70) $17-15+1=3$

(71) $18\times 35+15=645$.

(72) $(256-1)\times 3=765$.

(73) $(360-45)\div 9=35$.

(74) $(8+15)\times 2=46$.

(75) $(1000-625)\div 15=25$.

(76) $37\times 15+13=568$.

(77) $7+(26\div 2)-12=8$.

(78) $115\times 36\div 15=276$.

(79) $15\times 25+45=420$.

(80) $375\div(252\div 2-1)=3$.

(81) $150+3+15=168$.

(82) $100-14=86$.

(83) $\begin{cases} (15+9)\div 3=8. \\ 15-8=7.\quad 9-8=1. \end{cases}$

(84) $356-14\times 13=174$.

(85) $60+43+74-(12+36+28)$
$=101$.

(86) $169152\div 32=5286$.

(87) $(65+7)\times 37=2664$.

(88) $75-(576\div 12)=27$.

(89) $59250\div 125=474$.

(90) $1258\times 125=157250$.

(91) $15+45=60$.

(92) $50-17+1=34$.

(93) $15\times 9+23\times 4+56\times 2=339$.

(94) $1000-118-85+136=933$.

$$(95)\begin{cases}69875 \div 215 = 325. \\ 42000 \div 140 = 300. \\ 325 - 300 = 25.\end{cases}$$

(96) $(156 \div 12) \times 2 = 26.$

(97) $(75 - 68) \times 45 = 315.$

(98) $250 \times 68 \times 4 = 68000.$

(99) $(13 - 9) \times 26 = 104.$

(100) $12 \times 18 \times 8 = 1728.$

(101) $1200 \times 84 \div 105 = 960.$

(102) $1000 \div 25 = 40.$

(103) $15 \times 15 \times 2 \times 75 = 33750.$

(104) $(32 + 5 + 12) \times 8 = 392.$

(105) $15 \times 13 \times 2 = 390.$

(106) $(45 + 1) \times 185 = 8510.$

(107) $36 + 28 = 64.$

(108) $56 + 36 \times 32 = 1208.$

$$(109)\begin{cases}3500 - (1250 + 850 + \\ 625 + 475) = 300.\end{cases}$$

$$(110)\begin{cases}(1387 + 341) \div 2 = 864. \\ (1387 - 841) \div 2 = 523.\end{cases}$$

(111) $(100 - 25) \times 2 + 25 \times 4 = 250.$

(112) $(9840 - 12 \times 800) \div 12 = 20$

(113) $(70 + 14) \div 28 = 3.$

(114) $(35 + 21) \times 18 \div (18 \times 2 + 6) = 24.$

(115) $12 \times 36 \div 48 = 9.$

(116) $200 - 12 \times 13 = 44.$

(117) $760 \times 72 \div 6 \times 6 = 1520.$

(118) $72 \times 36 \times 12 \div 6 \times 6 \times 6 = 144.$

(119) $450 \times 3 \div (18 - 3) = 90.$

$$(120)\begin{cases}(112 + 88) \div 2 = 100.\text{金} \\ (112 - 88) \div 2 = 12.\text{銀}\end{cases}$$

(121) $48 \div 4 + 15 = 27.$

(122) $(136 - 12 \times 4) \div 8 + 4 = 15.$

(123) $60 \div (1 + 4) = \overset{\text{子}}{12}. \quad \times 4 = \overset{\text{父}}{48}.$

(124) $9 \times 36 \div 27 = 12.$

(125) $11 - (6 \times 36 \div 24) = 2.$

(126) $6 \times 25 \div 5 = 30.$

(127) $(3780 + 567) \div 7 \times 27 = 23.$

$$(128)\begin{cases}235 \times 3 = 705\text{麥} \\ 1562 - (235 + 705) = \overset{\text{豆}}{622}.\end{cases}$$

$$(129)\begin{cases}225 \div 3 = 75. \\ (325 - 75 \times 3) \div (5 - 3) = \overset{\text{上}}{50}. \\ 75 - 50 = 25.\text{下}\end{cases}$$

(130) (80+10)×390−100=35000.

(131) $\begin{cases} 162\div18=9. \\ (182-12)\div(9-2-1)=25 \end{cases}$

(132) (3500+100)÷8=450.

(133) (15000−250×25)÷25=350.

(134) 1260÷(816÷68)=105.

(135) (1000−25)÷39=25.

(136) (75×3−1)÷28=8.

(137) (360÷3)×4=480.

(138) 135÷(12−9)=45.

(139) 2250×480÷25×20=2160.

(140) (12+4)×2=32.

(141) 296+48×2+4=390.

(142) (30×2+18×3)×15=1710.

(143) $\{\{150000-(20000+25000+30000)\}\div1500=50.$

(144) 720÷5=144.

(145) 2310÷105−2500÷125=2.

(146) (600−15×8)÷(15+1)=30.

(147) $\{24\times2-(9+1)\times3\}\div9=2.$

(148) (17−5)÷(5−3)+1=7

(149) $\begin{cases} \dfrac{1480-\{7\times25+9(25+50)\}}{9+7+5}=30^{下} \\ 30+25=55^{中}.\ 55+50=105^{上} \end{cases}$

(150) $\begin{cases} 3\times7-4\times2=13. \\ (13+7)\times3=60. \end{cases}$

諸等諸法

(1) (3×4+2)×4+3=59.

(2) (28×4+3)×4+1=461.

(3)

$$\begin{array}{r} 4\,)\,\underline{357.\ 1^{朱}.} \\ 4\,)\,\underline{89.\ 1^{分}.} \\ 22^{両}. \end{array}$$

(4)

$$\begin{array}{r} 4\,)\,\underline{3724.} \\ 4\,)\,\underline{931.\ 3^{分}.} \\ 232^{両}. \end{array}$$

(5) 157÷4=$39^{両}.\ 1^{分}.$

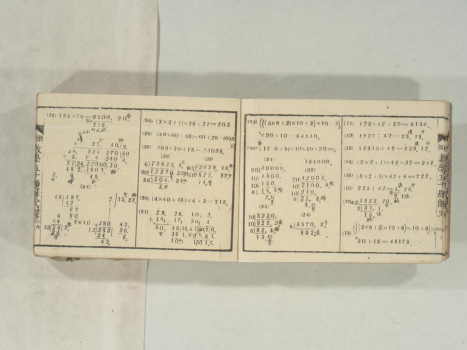
(6) 12×160+80=2000.

(7) 53×160+48=8528.

(8) 2105÷160=$13^{斤}.\ 25^{匁}.$

(9) 15348÷160=95. 148.

(10) 28×42+12=1188.



(11) 123×42+30=5196.

(12) 1237：42=29.俵 19.升

(13) 13830÷42=329.俵 12.升

(14) (2×2+1)×42+32=242.

(15) (8×2+1)×42+8=722.

(16) 235：42=5.俵 25.升
2)5.
2.俵 1.

(17) 42)1322.20.升
2)31.俵 1.
15.駄

(18) $\{\{(3\times6+3)\times10+5\}\times10+8\}\times20+18=43178.$

(19) $\{\{(5\times6+2)\times10+2\}\times10+5\}\times20+10=64510.$

(20) (12×6+5)×10×10×20=154000.

(21)
20)30000.
10)1500.
10)150.
6)15.　3.締
2.行李

(22)
20)42008.
10)2100.　8.枚
10)210.
6)21.　3.締
3.行李

(23)
10)8220.
10)822.　2.束
6)82.　4.締
13.行李

(24)
4)3570.　2.斗
892.俵

(25) (3×2+1)×26：21=203

(26) (46×60+58)×60+26=169106

(27) 768×30+18=23058.

(28)
6)73623.　3.尺
60)12270.　30.間
36)204.　24.町
5.里

(29)
60)52639.　19.秒
60)877.　37.分
14.度

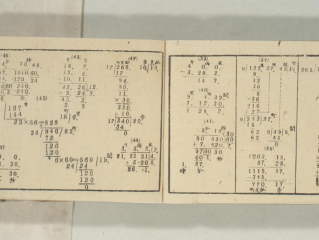
(30) (4×40+18)×4+3=715.

(31)
23.　28.　10.　3.
+16.　17.　50.　4
40.里　46 | 36.6 1 | 60.7 | 6.
36　1.60　1.6　1.
10.町　1.間　1.尺

(32) 125×76=9500.　20.歩
30)9500.
316.町反畝

(33)
時　分　秒
3　25.　30.(9.
54.　225　270 | 60
+3.　+4　-240　4.
57 | 24.　229 | 60.　30.
48　2.　180　3.秒
2.日　9.時　49.分

(34)
12 | 187.
12
67
60
7×40=280
2. | 15.斤 23.両
6
×4
12 | 24 | 2.　8.
24
0
12 | 282 |
24
42
42.
36.
6.



(35)

```
365/10000/27.年
     730
     2700
     2555
   7)145. 5日
      20.週
```

(36)

```
   23.
 × 60.
 1380.
 + 18.
 1398.
 ×  60.
 83880.
 +  20.
 83900.
```

(37)

```
   里    町   間  里
9/132. 27. 45/14.
  9
  42
  36
   6
 ×36
 216
  27
            町
9/243/27.
  18
                 間
  63   9/45/5.
  63     45
          0
```

(38)

```
1203.  15.
  87.  28.
1115.  17.
-345.
 770.  17.
町反畝  歩
```

(39)

```
斤 両  匁
4  0.  0.
-3. 25. 2.
   14  2.
```

(40)

```
里  町   間
9.   4. 32.
7.  12. 30.
1.  28.  2.
```

(41)

```
  分   秒
  3.  15.(30
 90   450.|60
+ 7.  420.|7.
 97|60  30.
 60  1. 秒
1. 37.
時  分
```

(42)

```
   町反畝         歩 反畝
17|266.       10.|15.
   17
    96.
    85.
    11.
  × 30.
   330.
  + 10.             歩
17|340|20.
   34
    0
```

(43)

```
年     月
18.    7.
15.    8.
+10.  11.
43.   26.|12.
÷ 2.  24.  2.
45.    2.
年     月
町
18/6.里
```

(44)

```
斤  両  匁
3.  3.  3.(7.
21. 21  21|4.
 + 5 -20  5.
 26.  1.
```

(45)

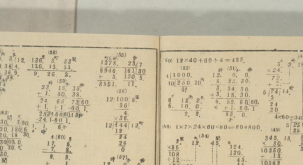
```
         里
24|167
   144
   23×36=828
           +
      24/846/35.町
          72
          126
          120
            6×60=360/15.間
              24|24
                 120
                 120
                  0
```

(46)

```
度    分   秒
3.    4.   30.|48.
144.  192.  1440|60.
+ 3.  + 24.  -120   24
147.  216|60  240.
      180  3. -240.
       36.      0.
```

(47)

```
24.  0.   0.
10.  56.  30.
13   3.   30.
時   分   秒
```



(48)

```
3日  2時  18分      30秒
×24.
 72.
+ 2.
5|74|14時
  5
  24
  20
   4×60=240
       +
      5|258|51分
        25
          8
          5
          3×60=180.
               +
              5|210|42秒
                20
                 10
                 10
                  0
```

(49)

```
  345.  13.
×  30.
10350.
+  13.
10363.
-10363.
     0
```

(50) $12\times40+60\div4=495.$

(52)

```
 4|1000.
10|250. 10両
    6斤

6斤  12両  2匁
6.   10.   0.
      2.   2.
```

(51)

```
時    分   秒
12.   0.   0.
 8.  25.  30.
 3.  34.  30.
+3.  18.  30.
 6.  52.  60.|60.
時    +1.  60.  1
     53.   0.
     分
```

(53) $1\times7\times24\times60\times60=604800.$

(54)

```
3里    12町     45間
×36     ¦        ¦¦        124.
108     ¦        ¦¦        120.
+12-----         ¦¦          45.
120×60=7200.                 45.
       +                      0
    15|7245|483.
       60   +1.
       124尺 484.
```

(61)

```
3斤   15両  3匁(12.
36.  180.  36|4.
+4.  + 9.  36. 9.
40.  189|40  0匁
斤   160 4
      29両
```

(58)

```
136里   3町   53間
126.   13.   51.
  9.   26.    2.
```

(59)

```
時     分     秒
23.   15.   35.
+1.   50.   38.
24.   65.   73.|60.
+1.   +1.  -60.  1.
25.|24. 66.|60. 13秒
-24.  1. -60.  1.
1日   1時    6分
```

(62)

```
町     間     尺
9.    30.    3.(60.
540.  1800.  180|6.
+30.  + 30.  18  30.
570|36 1830|60. 0.
-36  15 180  30.尺
210.    30.
-180.   間
15.  30.
里    町
```

(60)

```
年     月
17.    5.
-7.    8.
 9.    9.
+      1.
 9.   10.
年     月
```

(55)

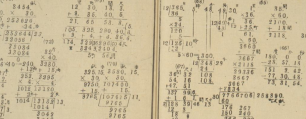
```
町反畝        步
1278.       23.(7
8946.      161.|30
+   5.     150. 5.
8951.       11.
```

(56)

```
12|100|8里
    96
     4.
   ×36.
12|144|12町
   12
    24
    24
     0
```

(57)

```
時    分    秒
12.   0.   0.
-1.  50.  30.
10.   9.  30.
```



(63)
```
   48.
  ×48.
  384
 192
30|2304|76.反畝
   210
   204
   180
    24.歩
```

(64)
```
  12.
 − 7.
   5
 + 4.
6| 9 |1.時
   6
   3
 ×60.
6|180|30.分
  18
   0
```

(65)
```
   1.里       35.間
 ×36.       × 60.
  36.       2100.
 +25.町     + 18間
  61.       2118.
 × 60.
 3660
 +   7間
 3667
×2118
29336
 3667
3667
+7834
30|7766706|258890.
   60        町反畝
   176   267
   150   240
   266   270
   240   270
    26     6.歩
```

(66)
```
 度    分  秒
180.   0   0
−28.  57. 18
151    2. 42.
−77.  30. 48.
 73.  31. 54.
```

(67)
```
 間  尺寸
 36.  32
 54.  16
+47.  51
137   99|6.
+ 1    6  1.  間尺寸
3|138  39|46  13
  12    3
  18    9
  18    9
```

(68)
```
12|365.日   5.時  48.分  49.秒 30.日
    36
     5                  12|49|4 1/12
  ×24.                     48
  120                       1
  + 5
12|125|10.時
   12
  5×60=300.
     12|348|29分
         24
        108
        108.
```

(69)
```
 里   町    間   尺
 12.  30.  18.  3.
+ 9.  35.  40.  5.
 21.  65   58.  8.  (5.
105. 325. 290. 40.  6.
+ 9. + 4. + 6. 36.  6.
114. 329|36296|604尺
里    3249.2404.
      5.町  56.間
```

(70)
```
 畝  歩     畝   歩
325.15.  3580. 15.
× 30.   ×  30.
9750.  107400.
+ 15.  +    15.
9765. |107415| 11.
        9765
         9765
         9765
            0
```

(71)
```
  畝          畝
 367.      8454.
×  30.   ×   30.
11010.   253620.
+  18.歩 +    24.歩
11028. |253644|23.
         22056
          33084
          33084
              0
```

(72)
```
    82.斤
  × 40.
  3280.
+  15.両
  3295.
×    4.
 13180.
+     2.匁
|13182|13.
 1014
  3042
  3042
     0
```

(74)
```
    斤
(74) 6×40=240.
         +13.両
          253.
         × 4.
         1012.
         + 2.匁
         1014
 12.年   37.年
×12.   ×12.
 24      74
12      37
144.   444.
+ 5.月 +  3.月
149.  |447|3.
        447
          0
```

(73)
```
  15.斤        372.斤
 ×40.         × 40.
 600.        14880.
+ 20.両      +  12.両
 620.        14892.
×  4.        ×   4.
2480.
+  2.
2482.)59568(24.
      4964
      9928
      9928
         0
```

(75)
```
  7.度      55.度
 ×60.      × 60.
 420.      3300.
+ 54.分    + 20.分
 474.      3320.
×  60      × 60.
28440.    199200.
+  18秒   +    6.秒
28458.)199206(7
       199206
            0
```

(76)
```
  6.宮       21.度
 ×30.       × 60.
 180.       1260.
+ 11.度     + 16.分
 191.       1276
×  60.      ×  60
11460.      76560
+   29.分   +  38秒
11489.      76598.)689382.(9.
×   60.            689382.
689340
+   42.秒
```

(77)
```
  27.里    137.里
 ×36.      × 36.
 162        822
 81         411
 972.      4932.
+ 18.町    +  18.町
 990.)4950(5.
      4950
         0
```

(79)
```
  5.時       66.時
 ×60.       × 60.
 300.       3960.
+ 30.分     +  6.分
 330.       3966.
× 60.       ×  60.
19800
+   30.秒
19830.)237960(12.
        19830
        39660
        39660
            0
```

(78)
```
  12.里       36.里
 ×36.        ×36.
  72          516
  36          258
 432.        3096.
+ 12.町      + 12.町
 444.        3108.
×  60.       ×   60.
26640.      186480.
+    7.間   +    52.間
26647.      186532.
×     6.    ×      6.
159882.    1119192.
+     3.尺  +      3.尺
159885.)1119195(7.
         1119195
               0
```

(80)
```
  3.週       10.週
 ×7.         ×7.
 21.         70.
+ 4.日       + 6.日
 25.         76.
×24.        ×24.
 100         304
 50          152
 600        1824.
+ 12.時     + 12.時
 612.       1836.
×   60.     ×    60.
36720.     110160.
+   15.分  +     46.分
36735.     110206.
×    60.   ×       60.
2204100.   6612360.
+     30.秒 +      30.秒
2204130.)6612390(3.
          6612390
                0
```

(81)
```
  5.時        1.日
 ×60.       ×24.
 300.         24.
+ 48.分     ×  60.
 348.        1440.
×  60.      ×   60.
20880.
+   49.秒
20929.)86400(4.
        83716
         2684.
```

(82)

```
     1.時
   ×60.
    60.
分 +11.分
5.   71.
×60. ×60.
300. 4260.
+30.秒 +30.秒
330./4290/13.日
     330   +1
     990  14.日
     990
       0
```

(83)

```
6|13.時   54.分 36.秒|2.時
  12
 1×60=60
     6|114|19.分
         6
        54
        54
         6|36|6.秒
           36
            0
```

(84)

```
 24.時  0.分  0.秒
-13.   54.   36.
6|10.   5.   24.|1.時
  6
 4×60=240
   6|245|40.分
     24
        5×60=300
          6|324|54.秒
            30
            24
            24
```

(85)

```
60)33538.58.秒
60) 558. 18.分
      9.時
```

(86)

```
41.度 47.分
35.   43.
 6.    4.
```

(87)

```
 23.度 28.分 13.秒
+23.   28.   13.
 46.   56.   26.

 90.度  0.分  0.秒
-46.   56.   26.
 43.    3.   34.
```

---

(88)

```
  9.度 46.分  0.秒
 +8.   24.   30.
 17.   70|603 0.
 +1.   60.1.
 18.   10.
```

(89)

```
 139.度 44. 30.
-116.   28. 24.
  23.   16.  6.
```

(90)

```
 12.時  0.分  0.秒
 -1.   33.   26.
 10.   26.   34.
```

(91)

```
24|360|15.度 24.時
   24        ×60.
   120  360|1440|4.分
   120       1440
     0          0
```

(92)

```
15|35.度   12.分   30.秒|2.時
   30.
 5×60=300.
   15|312|20.分
       30
        12×60=720.
          15|750|50.秒
              75
               0
```

(93)

```
15|9.度  46.分  0.秒
  ×60
  540
  +46
15|586|39.分
   45
  136
  135
  1×60=60.
  15) 4.秒
```

(94)

```
15|18.度  10.分  30.秒|1.時
   15
 3×60=180
   15|190|12.分
       15
       40
       30
       10×60=600
          15|630|42.秒
              60
              30
              30
               0
```

(95)
```
度     分     秒
3.    25.    18.(15.
45.   375.   270|60.
+6.   +4.   -240. 4.
51    379|60. 30秒
度   -360 6.
      19.分
```

(96)
```
分        秒
43.       31.(15.
645.      465|60.
+ 7.     -420. 7.
652|60     45.
-600 10.  秒
10.  52.
度   分
```

(97)
```
1度    15分   27秒.(15.
15.    225.   405.|60.
+3.   + 6.   -360. 6.
18     231|60. 45秒.
度    -180 3.
       51分.
```

(98)
```
時       分     秒
12.      0.     0.
-7.     15.    48.
4.      44.    12. 15.
60.     660.   180|60.
+11.  +  3.   -180. 3.
71.     663|60. 0.秒
度      -60   11.
        63
        60
         3.分
```

(99)
```
度      分     秒
2.      36.    18.(15.
30.     540.   270|60.
+9.   + 4.    240. 4.
39      544|60 30.秒
度.     540  9.
         4.分
```

(100)
```
度      分     秒
1.      23.    24.(15.
15.     345.   360.|60.
+5.   + 6.   -360. 6.
20.     351|60 0.秒
度     -300 5.
        51分.
```

```
時      分      秒
3.      50.     0.
-1.     23.    24.
2.      26.    36.
```

分數雜問

(1) $\frac{1}{2}+\frac{1}{3}+\frac{1}{4}=\frac{6+4+3}{12}=\frac{13}{12}=\frac{1}{12}$.

(2) $\frac{7}{12}-\frac{1}{3}=\frac{7-4}{12}=\frac{\overset{1}{\cancel{3}}}{\underset{4}{\cancel{12}}}=\frac{1}{4}$.

(3) $\frac{\cancel{3}}{\cancel{5}}\times\frac{2}{\cancel{3}}\times\overset{3}{\cancel{15}}=6$.

(4) $3\frac{5}{6}\div\frac{92}{100}=\frac{\cancel{23}}{\underset{3}{\cancel{6}}}\times\frac{\overset{\overset{25}{\cancel{50}}}{\cancel{100}}}{\underset{\underset{2}{\cancel{4}}}{\cancel{92}}}=\frac{25}{6}=4\frac{1}{6}$.

(5) $160\times\frac{5}{32}=25$.

(6) $15\times\left(1-\frac{1}{3}\right)=\frac{\overset{5}{\cancel{15}}}{1}\times\frac{2}{\cancel{3}}=10$.

(10) $9\frac{1}{3}+12\frac{5}{6}+11\frac{1}{12}+7\frac{1}{2}+10=50\frac{3}{4}$

(8) $\frac{1}{2}-\frac{1}{3}=\frac{3-2}{6}=\frac{1}{6}$.

(9) $2\frac{3}{5}-\frac{2}{3}=2\frac{9-10}{15}=1\frac{14}{15}$.

(7) $150\div\frac{2}{3}=\frac{\overset{75}{\cancel{150}}}{1}\times\frac{3}{\cancel{2}}=225$.

(11) $\frac{1}{\cancel{2}}\times\frac{\cancel{2}}{\cancel{3}}\times\frac{\cancel{3}}{4}=\frac{1}{4}$.

(12) $1-\left(\frac{1}{7}+\frac{1}{5}\right)=1-\frac{12}{35}=\frac{23}{35}$

(13) $10-3\frac{3}{5}=9\frac{5}{5}-3\frac{3}{5}=6\frac{2}{5}$.

(14) $\overset{\overset{20}{\cancel{100}}}{\cancel{500}}\times\frac{3}{\underset{\cancel{5}}{\cancel{25}}}=60$.

(15) $48000\times\left(1-\frac{1}{2}-\frac{1}{3}\right)$,

$\overset{8000}{\cancel{48000}}\times\frac{1}{\cancel{6}}=8000$.

(16) $\frac{7}{10}, \frac{3}{4}, = \frac{14}{20}, \frac{15}{20}, = \frac{1}{20},$

(17) $\frac{\overset{\overset{1}{\cancel{5}}}{\cancel{25}}}{\underset{\cancel{20}}{\cancel{100}}} = \frac{1}{4}.$

(18) $5\frac{5}{6}\times 3\frac{1}{5} = \frac{35}{6}\times\frac{16}{5} = \frac{56}{3} = 18\frac{2}{3}.$

(19) $350 \div \frac{7}{15} = \frac{\overset{50}{\cancel{350}}}{1}\times\frac{15}{\cancel{7}} = 750.$

(20) $1-\left(\frac{3}{5}+\frac{1}{3}\right) = 1-\frac{14}{15} = \frac{1}{15}.$

(21) $\begin{cases} \frac{3}{4}\div 5\frac{1}{3}+\frac{3}{4}\times 5\frac{1}{3} = \frac{9}{64}+4 = 4\frac{9}{64}\ \text{和} \\ 4-\frac{9}{64} = 3\frac{55}{64}.\ \text{差} \end{cases}$

(22) $\frac{21}{25}, \frac{47}{50}, = \frac{42}{50}, \frac{47}{50}, = \frac{\overset{1}{\cancel{5}}}{\underset{10}{\cancel{50}}} = \frac{1}{10}$

(23) $\begin{cases} 2\frac{5}{6}+1\frac{2}{3}+2\frac{5}{6}-1\frac{2}{3}+ \\ 2\frac{5}{6}\times 1\frac{2}{3}+2\frac{5}{6}\div 1\frac{2}{3} = 12\frac{4}{45}. \end{cases}$

(24) $144\div\left(\frac{7}{15}+\frac{1}{3}\right) = \frac{\overset{12}{\cancel{144}}}{1}\times\frac{15}{\cancel{12}} = 180.$

(25) $100\div\left(1+\frac{2}{3}+\frac{5}{6}\right) = \frac{\overset{20}{\cancel{100}}}{1}\times\frac{\overset{2}{\cancel{6}}}{\underset{\cancel{5}}{\cancel{15}}} = 40.$

(26) $75\div\left(1-\frac{1}{3}-\frac{1}{4}\right) = \frac{\overset{15}{\cancel{75}}}{1}\times\frac{12}{\cancel{5}} = 180$

(27) $\begin{cases} 165\times\frac{1}{5} = 33.\ \text{梅} \quad 165\times\frac{2}{11} = 30.\ \text{櫻} \\ 165\times\frac{1}{3} = 55.\ \text{桃} \\ 165-(33+30+55) = 47.\ \text{柳} \end{cases}$

(28) $360\times\frac{7}{18} = 140.\ \text{女}\quad 360-140 = 220\ \text{男}$

(29) $\left\{325\div\left(1+\frac{1}{4}\right)\right\}\times\frac{1}{4} = 65.$

(30) $500-\left(250\frac{2}{5}+125\frac{7}{25}\right) = 124\frac{8}{25}.$

(31) $3\frac{1}{5}+5\frac{1}{2}+10\frac{5}{6}+8\frac{14}{16} = 28\frac{83}{280}.$

(32) $\begin{cases} 80\div\left(1-\frac{3}{5}\right) = \frac{80}{1}\times\frac{5}{2} = 200.\ \text{大} \\ 200\times\frac{3}{5} = 120.\ \text{小} \end{cases}$

(33) $25\div\left\{1-\left(\frac{1}{3}+\frac{3}{7}\right)\right\} = \frac{25}{1}\times\frac{21}{5} = 105.$

(34) $624\div 2\frac{2}{5} = \frac{624}{1}\times\frac{5}{12} = 260.$

(35) $36\div\frac{6}{7} = \frac{36}{1}\times\frac{7}{6} = 42.$

(36) $3\left(1-\frac{3}{4}-\frac{1}{8}\right) = \frac{3}{1}\times\frac{1}{8} = \frac{3}{8}.$

$\frac{3}{\underset{1}{\cancel{8}}}\times\overset{5}{\cancel{40}} = 15.$

(37) $\left(\frac{1}{4}+\frac{1}{6}\right)\times 2 = \frac{5}{12}\times\frac{2}{1} = \frac{5}{6}.$

(38) $(57-17)\times\frac{1}{10}+17 = 21.$

(39) $\frac{7}{9}-\frac{5}{12} = \frac{28-15}{36} = \frac{13}{36}.$

(40) $\frac{\overset{1}{\cancel{5}}}{\underset{3}{\cancel{15}}} = \frac{1}{3}.$

(41) $\frac{91-52}{91} = \frac{39}{91} = \frac{3}{7}.$

(42) $28\frac{2}{5}\times25\frac{5}{12}=\frac{\overset{71}{\cancel{142}}}{\cancel{5}}\times\frac{\overset{61}{\cancel{305}}}{\underset{6}{\cancel{12}}}=721\frac{5}{6}$

$721\div30=\overset{反}{2}\overset{畝}{4}\ \overset{步}{1}\frac{5}{6}.$

(43) $355\frac{1}{3}\times1\frac{3}{5}\div\frac{4}{15}=\frac{1066}{3}\times\frac{8}{5}\times\frac{15}{4}$〃

〃$=2132.$

(44) $1\div\left(\frac{1}{9}+\frac{1}{12}\right)=1\times\frac{36}{7}=5\frac{1}{7}.$

(45) $\frac{1}{6}-\frac{1}{18}=\frac{\overset{1}{\cancel{2}}}{\underset{9}{\cancel{18}}}=\frac{1}{9}\quad 1\div\frac{1}{9}=9$

(46) $60\div28\frac{71}{243}=\frac{\overset{12}{\cancel{60}}}{1}\times\frac{243}{\underset{1375}{\cancel{6875}}}=2\frac{166}{1375}$

(47) $\frac{1}{3}-\frac{\cancel{3}}{\underset{2}{\cancel{8}}}\times\frac{\overset{1}{\cancel{4}}}{\underset{3}{\cancel{9}}}=\frac{1}{3}-\frac{1}{6}=\frac{1}{6}.$

(48) $15\div\left(1-\frac{1}{2}-\frac{1}{3}\right)=15\times\frac{6}{1}=90.$

(49) $1-\left(\frac{\cancel{2}}{3}\times\frac{1}{\underset{2}{\cancel{4}}}+\frac{\cancel{5}}{8}\times\frac{7}{\underset{3}{\cancel{15}}}\right)=1-\left(\frac{1}{6}+\frac{7}{24}\right)$〃

〃$=1-\frac{11}{24}=\frac{13}{24}.$

(60) $\left(1-\frac{3}{5}\right)\times\left(1-\frac{2}{3}\right)=\frac{2}{5}\times\frac{1}{3}=\frac{2}{15}$

(51) $36\div\left(1-\frac{1}{3}\right)\times\left(1-\frac{3}{4}\right)=36\div\frac{2}{3}\times\frac{1}{4}$〃

〃$=\frac{36}{1}\times\frac{3}{2}\times\frac{4}{1}=216.$

(52) $8\div\left(\frac{9}{7}-1\right)=8\div\frac{2}{7}=\frac{\overset{4}{\cancel{8}}}{1}\times\frac{7}{\cancel{2}}=28.$

(53) $\begin{array}{r|ll}2) & 4. & 6.\\\hline & 2. & 3.\end{array}\qquad\begin{array}{l}2\times2\times3=12.\\12+1=13.\end{array}$

(54) $\left(116-2\frac{1}{3}\times12\right)\div2=44.$乙

$116-44=72.$甲

(55) $\frac{84}{100}=\frac{21}{25}.$養氣 $\frac{16}{100}=\frac{4}{25}.$輕氣

(56) $13\frac{1}{13}\times13\frac{3}{5}=\frac{170}{13}\times\frac{68}{5}=177\frac{11}{13}$

(57) $\frac{\overset{7}{\cancel{350}}}{\underset{10}{\cancel{500}}}=\frac{7}{10}.$長子 $\frac{\overset{1}{\cancel{125}}}{\underset{4}{\cancel{500}}}=\frac{1}{4}.$次子

$1-\left(\frac{7}{10}+\frac{1}{4}\right)=1-\frac{19}{20}=\frac{1}{20}.$末子

(58) $1\div\left(\frac{1}{2}+\frac{1}{6}\right)=1\div\frac{4}{6}=1\times\frac{6}{4}=$〃

〃$\overset{時}{1}.\ \overset{分}{30}.$

(59) $\frac{19}{25}-\frac{19-4}{25-4}=\frac{19}{25}-\frac{\overset{5}{\cancel{15}}}{\underset{7}{\cancel{21}}}=\frac{8}{175}.$

(60) $165\div\left(1-\frac{3}{7}-\frac{2}{9}\right)=165\div\frac{22}{63}$〃

〃$=\frac{\overset{15}{\cancel{165}}}{1}\times\frac{63}{\underset{2}{\cancel{22}}}=472\frac{1}{2}.$

(61) $\frac{31+28+31+30+26}{365}=\frac{\overset{2}{\cancel{146}}}{\underset{5}{\cancel{365}}}=\frac{2}{5}.$

(62) $\begin{array}{r|ll}3) & 15. & 12.\\\hline & 5. & 4.\end{array}$

$3\times4\times5=60.\qquad\begin{array}{l}60\div15=4.\text{人}\\60\div12=5.\text{米}\end{array}$

(63) $1\div\left(\frac{1}{180}+\frac{1}{270}\right)=1\div\frac{5}{540}=$〃

〃$1\times\frac{540}{5}=108.$

(64) $72\div\frac{24}{55}=\frac{72}{1}\times\frac{55}{24}=165.$

(65) $(\overset{\text{里}}{8}.\overset{\text{町}}{12}.\overset{\text{間}}{15}.)\times 3\frac{1}{3}=\overset{\text{里}}{27}.\overset{\text{町}}{28}.\overset{\text{間}}{50}.$

(66) $(\overset{\text{町}}{2}\overset{\text{反}}{5}\overset{\text{畝}}{3}.\overset{\text{歩}}{12}.)\times 3\frac{1}{2}=\overset{\text{町}}{8}\overset{\text{反}}{8}\overset{\text{畝}}{6}.\overset{\text{歩}}{27}.$

(67) $(\overset{\text{斤}}{3}.\overset{\text{両}}{35}.\overset{\text{匁}}{1\frac{1}{2}}.)\div 9\frac{3}{7}=\overset{\text{両}}{16}.\overset{\text{匁}}{1\frac{11}{12}}.$

(68) $(\overset{\text{里}}{36}.\overset{\text{町}}{30}.\overset{\text{間}}{15}.\overset{\text{尺}}{1}.)\div 5\frac{5}{12}=$

$=\overset{\text{里}}{6}.\overset{\text{町}}{28}.\overset{\text{間}}{50}.\overset{\text{尺}}{4\frac{4}{5}}.$

(69) $(\overset{\text{度}}{18}.\overset{\text{分}}{46}.\overset{\text{秒}}{36\frac{3}{5}}.)\times(\overset{\text{間}}{16}.\overset{\text{尺}}{5\frac{26}{27}}.)$

$=\overset{\text{里}}{531}.\overset{\text{町}}{8}.\overset{\text{間}}{33}.\overset{\text{尺}}{0\frac{8}{9}}.$

(70) $\overset{\text{度}}{360}\div 27\frac{53}{240}=\frac{360}{1}\times\frac{240}{86400}$

$=\overset{\text{度}}{13}.\overset{\text{分}}{13}.\overset{\text{秒}}{30}\frac{3870}{6533}.$

(71) $(\overset{\text{時}}{8}.\overset{\text{分}}{30}.\overset{\text{秒}}{30}.)\times 14\frac{1}{3}=\overset{\text{時}}{121}.\overset{\text{分}}{57}.\overset{\text{秒}}{10}.$

(72) $2\left(\frac{1}{5}+\frac{1}{6}\right)\div\left\{\frac{1}{2}-\left(\frac{1}{5}+\frac{1}{6}\right)\right\}=\overset{\text{時}}{5}.\overset{\text{分}}{30}.$

(73) $\left\{1\ 4\left(\frac{1}{8}+\frac{1}{12}\right)\right\}\div\frac{1}{8}=\frac{1}{6}\div\frac{1}{8}=\overset{\text{時}}{1}.\overset{\text{分}}{20}.$

(74) $15\frac{1}{3}\times\overset{\text{町}}{36}\times\overset{\text{間}}{60}\times\overset{\text{尺}}{6}\div 12\frac{4}{5}=$

$15525.$

(75) $4887\frac{1}{2}\div 7\times 25\frac{1}{2}=27\frac{8}{21}.$

(76) $\begin{cases}128\frac{1}{3}\times\frac{5}{11}=58\frac{1}{3}.\ \text{甲}\\(128\frac{1}{3}-58\frac{1}{3})\times\frac{11}{21}=36\frac{2}{3}.\ \text{乙}\\128\frac{1}{3}-(58\frac{1}{3}+36\frac{2}{3})=33\frac{1}{3}.\ \text{丙}\end{cases}$

(77) $\frac{\frac{5}{6}}{3\frac{1}{3}}=\frac{\cancel{5}\times\cancel{3}}{\underset{2}{\cancel{10}}\times\underset{2}{\cancel{6}}}=\frac{1}{4}.$

(78) $\frac{30\frac{1}{3}}{52}=\frac{91}{52\times 3}=\frac{7}{12}.$

(79) $450\div\left(1-\frac{3}{5}-\frac{1}{3}\right)=6750.$

(80) $12\div\left(1-\frac{1}{3}-\frac{1}{4}-\frac{1}{5}-\frac{1}{6}\right)=240.$

(81) $\frac{1}{36}\times 4\div\left(\frac{1}{24}-\frac{1}{36}\right)=8.$

(82) $36\times\left(1-\frac{3}{5}\right)\times\left(1-\frac{3}{4}\right)=3\frac{3}{5}.$

(83) $\begin{cases}2544\div(15+8\times\frac{1}{3})\times 5\frac{1}{3}=\overset{\text{男}}{27}.\\27\times\frac{1}{3}=\overset{\text{女}}{9}.\end{cases}$

(84) $1-\left(\frac{7}{12}+\frac{1}{4}\right)=1-\frac{10}{12}=\frac{\overset{1}{\cancel{2}}}{\underset{6}{\cancel{12}}}=\frac{1}{6}.$

(85) $\begin{cases}574\div(1-\frac{3}{4}\times\frac{1}{2})=\overset{\text{町}}{9}\overset{\text{反}}{1}\overset{\text{畝}}{8}.\overset{\text{歩}}{12}.\\15\div(1-\frac{3}{4}\times\frac{1}{2})=15\div\frac{5}{8}=24.\end{cases}$

(86) $48\div\left(1-\frac{3}{5}\right)=48\div\frac{2}{5}=120.$

(87) $720\div(1+\frac{5}{7})=\overset{大}{420}.\quad\times\frac{5}{7}=\overset{小}{300}.$

(88) $\frac{5\times3\div16}{16\times3\div16}=\frac{\frac{15}{16}}{3}$

(89) $\frac{5\times7\div12}{12\times7\div12}=\frac{35\div12}{7}=\frac{2\frac{11}{12}}{7}$

(90) $\frac{11\times5\div11}{18\times5\div11}=\frac{5}{90\div11}=\frac{5}{8\frac{2}{11}}$

(91)
$$\begin{array}{r|r|l} 91 & 416 & 4 \\ & 364 & \\ 52 & 91 & 1 \\ & 52 & \\ 39 & 52 & 1 \\ & 39 & \\ 13 & 39 & 3 \\ & 39 & \\ & 0 & \end{array}$$

$\frac{91}{13}=7.$ 商

$\frac{416}{13}=32.$ 門

(92) $1\div\left(\frac{1}{4\frac{2}{5}}+\frac{1}{6\frac{3}{5}}\right)=1\div\frac{25}{16}=2\frac{16}{25}$

(93) $12\div\left\{(1-\frac{1}{7})\times(1-\frac{2}{5})-\frac{1}{2}\right\}=80.$

(94)
$$\begin{array}{r|llll} 3 & 3. & 4. & 9. & 10. \\ 2 & 1. & 4. & 3. & 10. \\ & & 2. & 3. & 5. \end{array}$$

$3\times2\times2\times3\times5=180.$

(95) $(25\div\frac{15}{19})\times\frac{6}{7}=27\frac{1}{7}$

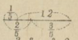
(96) $\left\{\begin{array}{l} 2\frac{2}{5}\div\frac{1}{5}=\frac{12}{5}\times\frac{5}{1}=12. \\ 12-2\frac{2}{5}=11\frac{5}{5}-2\frac{2}{5}=9\frac{3}{5}. \end{array}\right.$ 抗 深ㇲ

次　長　末

(97) $1-\frac{1}{4}=\frac{3}{4}\quad\frac{3}{4}\div36=\frac{1}{48}$〃

(98) $55\div\left\{\frac{4}{5}-\frac{\frac{2}{3}+\frac{3}{4}}{2}\right\}=55\div\frac{11}{120}=600.$

(99)



$1-\frac{2}{5}=\frac{3}{5}\quad\frac{3}{5}-\frac{2}{5}=\frac{1}{5}$

$12\div(1-\frac{1}{5})=15.$

(100) $\frac{301\frac{2}{3}-50\times(1-\frac{2}{3})}{4\times(1-\frac{2}{3})+5}=45.$

(97) 〃 $1\div\frac{1}{48}=48.$

ノ續キ $\frac{\frac{1}{4}}{4}-\frac{1}{48}=\frac{1}{24}\quad1\div\frac{1}{24}=24.$

小數雜問

(1) $12.1585+0.0378+5.103$
$=17.2998$

(2) $530.-437.525=92.475$

(3) $23.75\times7.45=176.9375$

(4) $11517.698\div349.=33.002$

(5) $0.44368\times25.=11.092$

(6) $257.25-108.3=148.95$

(7) $41.475\times264.=10949.4$

(8) $53.-32.75=20.25$

(9) $20.625\div3.75=5.5$

(10) $10.-3.55=6.45$

(11) $32.5\times12.5=406.25$

(12) $23.32+15.43+8.=46.75$

(13) 0.000060008

(14) $100000.-0.52=99999.48$

(15) $0.00703\times0.27=0.0018981$

(16) $1000.\div0.00025=4000000.$

(17) $1.155-0.971=0.184$

(18) $237.5+68.7+108.25=414.45$

(19) $18.5\div1.25=15.$

(20) $100.\div60.=1.66+$

(21) $550.25\div35.5=15.5$

(22) $15.75\div0.35=45.$

(23) $23.5\times35.75=840.125$

(24) $12.5\div0.5=25.$

(25) $3282.75-1870.275=1412.475$

(26) $79.05\div23.25=3.4$

(27) $(6+1.2\div6)\times(12+1.5\div6)=75.95$

(28) $\frac{1}{8}=0.125$

(29) $\frac{1}{16}=0.0625$

(30) $\frac{5}{32}=0.15625$

(31) $\frac{1}{125}=0.008$

(32) $\frac{25}{100}=\frac{1}{4}$

(33) $\frac{12.5}{100}=\frac{125}{1000}=\frac{1}{8}$

(34) $\frac{6.25}{100}=\frac{625}{10000}=\frac{1}{16}$

(35) $\frac{7.5}{10}=\frac{75}{100}=\frac{3}{4}$

(36) $\frac{2.25}{10}=\frac{225}{1000}=\frac{9}{40}$

(37) $5\overset{斤}{.}\frac{7}{\cancel{16}_{2}}\times\cancel{40}^{5}=17\overset{両}{.}\frac{1}{2}\times4=2\overset{匁}{.}$

(38) $12\overset{里}{.}\frac{293}{\cancel{864}_{24}}\times\cancel{36}^{1}=12\overset{町}{.}\frac{5}{\cancel{24}_{2}}\times\cancel{60}^{5}$

$=12\overset{間}{.}\frac{1}{2}\times6=3\overset{尺}{.}$

(39) $2\overset{町}{.}\frac{4}{\cancel{45}_{15}}\times\cancel{10}^{2}=\frac{8}{\cancel{15}_{3}}\times\cancel{10}^{2}=5\overset{畝}{,}$

$\frac{1}{\cancel{3}}\times\cancel{30}^{10}=10\overset{歩}{.}$

(40)

$$\begin{array}{r} 度\ 12.625 \\ \times\quad 60. \\ \hline 分\ 37.5\cancel{00} \\ \times\quad 60. \\ \hline 秒\ 30.\cancel{0} \end{array}$$

(41)

$$\begin{array}{r} 4.275 \\ \times\quad 24. \\ \hline 1100 \\ 550 \\ \hline 6.6\cancel{00} \\ \times\quad 60. \\ \hline 36.\cancel{0} \end{array}$$

(43)

$\frac{0.5}{1\times36\times60\times6}=\frac{1}{259200}$

(42)

$$\overset{時}{1218.8375}\times 60 = \overset{分}{50.2500}$$

$$24\,\big)\,\overset{時}{1218}\ \big|\ 50^{日}$$

$$\underline{120}$$

$$18^{時}$$

$$7\,\big)\,50\ \big|\ 7^{週}$$

$$\underline{49}$$

$$1^{日}$$

$$\times 60 = \underset{秒}{15.0}$$

(44) $\frac{13}{39}=\frac{13}{390}=\frac{1}{30}$

(45) $\overset{里}{1}\times\overset{町}{36}\times\overset{間}{60}\times\overset{尺}{6}\div 5184=25$

(46) $0.\dot{2}\dot{7}=\frac{27}{99}=\frac{3}{11}$　$0.27=\frac{27}{100}$

$\frac{3}{11}-\frac{27}{100}=\frac{3}{1100}$

(47) $0.0\dot{7}\dot{2}=\frac{72}{990}=\frac{4}{55}$

$\frac{4}{55}-\frac{9}{125}=\frac{1}{1375}$

(48) $0.\dot{6}66+=\frac{6}{9}=\frac{2}{3}$　$\frac{2}{3}\div 6\overset{尺}{=}\frac{1}{9}$

$31\frac{1}{9}\div \overset{間}{60}=\frac{280}{9}\times\frac{1}{60}=\frac{14}{27}$

$10\frac{14}{27}\div \overset{町}{36}=\frac{284}{27}\times\frac{1}{36}=\frac{71}{243}$

$\overset{里}{28}\frac{71}{243}$

(49) $(\overset{時}{6}.\ \overset{分}{7}.\ \overset{秒}{30}.)\times 25.75=\overset{日}{6}.\ \overset{時}{13}.\ \overset{分}{43}.\ \overset{秒}{7.5}$

(50) $(\overset{里}{1}.\ \overset{町}{25}.\ \overset{間}{8}.\ \overset{尺}{3}.)\times(\overset{町}{32}.\ \overset{間}{18}.\ \overset{尺寸}{1.8})$

$=\underset{町反畝}{237021.}\ \underset{歩}{23.55}$

正比例

(1) $3:150=36:x=1800.$

(2) $48:24=28:x=14.$

(3) $8:68=57:x=484.5$

(4) $72:698.4=5:x=48.5$

(5) $3:45=32:x=480.$

(6) $5:250=15:x=750.$

(7) $15:450=3:x=90.$

(8) $10:35=4150:x=14525.$

(9) $3.6:12=126:x=420.$

(10) $7:350=650:x=32500.$

(11) $18:540=8:x=240$

(12) $3:936=2:x=624.$

(13) $15:45=280:x=840.$

(14) $18:45=280:x=700.$

(15) $30:75=85:x=212.5$

(16) $280:7.5=8.4:x=2.25$

(17) $5:3=125:x=75.$

(18) $6500:260=100:x=4.$

(19) $125:25=350:x=70.$

(20) $12.5:100=1:x=8.$

(21) $\begin{cases} 2190:32850=1:x=15. \\ 15\times 100=1500. \end{cases}$

(22) $12:21=128:x=224.$

(23) $57:180=3.8:x=12.$

(24) $88:160=154:x=280.$

(25) $52.5:14=750:x=200.$

(26) $250:1125=336:x=1512.$

(27) $7:8.28=364:x=427.96$

(28) $30600:18=51000:x=30.$

(29) $26:12=52:x=24.$

(30) $32:240=1800:x=13500.$

(31) $50:3.5=150:x=10.5$

(32) $2.5:7=15:x=42.$

(33) $12.5:150=85:x=1020.$

(34) $30:1200=23:x=920.$

(35) $96:72=332:x=249.$

(36) $272:16000000=51:x=300$
0000.

(37) $28.5:7695=15.5:x=4185.$

(38) $120:3=1500:x=37.5.$

(39) $3:3.5=327:x=381.5$

(40) $132:627=85:x=403.75$

(41) $\frac{5}{7}:25=\frac{11}{14}:x=27\frac{1}{2}.$

(42) $\frac{7}{15}:29\frac{1}{3}=\frac{3}{8}:x=23\frac{4}{7}.$

(43) $\frac{2}{9}:15=2\frac{2}{3}:x=180.$

(44) $150:1\frac{3}{4}=360:x=4\frac{1}{5}.$

(45) $5\frac{1}{3}:2\frac{1}{2}=36:x=16\frac{7}{8}.$

(46) $3\frac{1}{4}:8\frac{1}{8}=25:x=62\frac{1}{2}.$

(47) $3:2\frac{1}{4}=15:x=11\frac{1}{4}.$

(48) $4\frac{1}{4}:1\frac{1}{3}=25\frac{1}{2}:x=8.$

(49) $1\frac{1}{4}:84=5\frac{1}{2}:x=369\frac{3}{5}$

(50) $3\frac{3}{4}:75=16\frac{3}{5}:x=332.$

(51) $100:350=15\times 30:x=1575.$

(52) $25400:1143=100:x=4.5$

(53) $15:10000=45\times 15:x=2700.$
00.

(54) $15:10=15\times 135+9:x=1356.$

(55) $125:15=150:x=18.$

(56) $36\times 30:432=4250:x=1700.$

(57) $15:18=250:x=300.$

(58) $0.5:450=365:x=338500.$

(59) $299\times30+27:170943=53\times30+18:x=30552$

(60) $4\times60+30:12=10\times60+15:x=27^{分}\ \frac{1}{3}\times36=12^{秒}$

(61) $6.5:21\times36+24=8\frac{\overset{1}{\cancel{13}}}{\underset{1}{\cancel{88}}}:x=990:36=27^{分}.18^{秒}$

(62) $3\times60+15:12=(12\times6+9)\times60+10:x=56.$

(63) $19:3=570:x=90.$

(64) $(45\times36+18)\times60+48:4=(136\times36+5)\times60+24:x=12.$

(65) $3:5=153:x=255$

(66) $1\times24\times60:5=5\times60+15:x=1.\ \frac{3}{\underset{8}{\cancel{32}}}\times\overset{15}{\cancel{60}}=\frac{45}{8}=5\frac{5}{8}$

(67) $31+28+31+30+5=125.\quad 125:375=365-125:x=720.$

(68) $\frac{5}{9}:3\times9+3=1:x=54\div9=6.$

(69) $1\times7+5:3=5\times7+1:x=9.$

(70) $15.5:3279+255=3:x=684.$

(71) $\left\{\begin{array}{l}25\times4+3:2150=(8\times40+14)\times\\ \qquad 4+3:x=27950.\end{array}\right.$

(72) $\left\{\begin{array}{l}1\times10\times30:25=25\frac{3}{6}\times18\frac{18}{60}:x\\ \qquad x=38.8875\end{array}\right.$

(73) $15-11:1=11\times3:x=8\frac{1}{4}.$

(74) $18:15=54:x=45.\ 45-15=3$

(75) $\left\{\begin{array}{l}2:9=2500:x=11250.\\ 2:1=2500:x=1250.\end{array}\right.$

轉比例

(1) $15:10=12:x=8.$

(2) $35:63=45:x=81.$

(3) $30:15=36:x=18.$

(4) $40:360=35:x=315.$

(5) $50:150=42:x=126.$

(6) $11:275=3:x=75.$

(7) $6:12=8:x=16.$

(8) $7000:35=36000:x=180.$

(9) $10:18=15:x=27.$

(10) $100:3=25:x=\frac{3}{4}=0.75$

(11) $12.5:15=8:x=9.6$

(12) $4:36=5:x=45.$

(13) $140:18=133:x=17.1$

(14) $12:126=14:x=147.$

(15) $50:160=20:x=64.$

(16) $42:540=35:x=450.$

(17) $75:1200=100:x=1600.$

(18) $30:25=6:x=5.$

(19) $7:350=8:x=400.$

(20) $16-4:21=16:x=28.$

(21) $11:5.5=12:x=6.$

(22) $8:600=12:x=900.$

(23) $45:72=5:x=80.$

(24) $15:25=12:x=20$

(25) $644:92=560:x=80.$

(26) $125:45=75:x=27$

(27) $\begin{cases} 2\times12+11:3000=3\times12+6: \\ x=3600. \end{cases}$

(28) $45-9:12=45:x=15.$

(29) $4:33\frac{1}{3}=3:x=25.$

(30) $36:108=50:x=150.$

(31) $2250:25=1818:x=20.2$

(32) $12:33=9:x=24\frac{3}{4}$

(33) $\begin{cases} 1\times36+6:14=1\times36+14:x= \\ 16\overset{時}{}\frac{2}{3}\times\overset{20}{60}=\overset{分}{40}. \end{cases}$

(34) $\begin{cases} 8:7.5=12:x=11\overset{時}{}\frac{1}{4}\times\overset{15}{60}=\overset{分}{15}. \\ \underline{\quad -7 \qquad\qquad 30} \\ \quad 3\text{時} \qquad\quad 45\text{分} \end{cases}$

(35) $7:735=6.4:x=672.$

(36) $\begin{cases} 9:1800=6:x=1200. \\ 1800-1200=600. \end{cases}$

(37) $600:10=360:x=6.$

(38) $12:54=8:x=36.$

(39) $1800-600:6=1800:x=9.$

(40) $45:4=4\times60:x=21\overset{間}{}\frac{1}{3}\times6=\overset{尺}{2}.$

(41) $6:150=13-5:x=200.$

$$\begin{array}{r} -150. \\ \hline 50. \end{array}$$

(42) $1200+800:7=1200:x=4.$

(43) $\begin{cases} 12:2700=7:x=1575. \\ 2700-1575=1125. \end{cases}$

(44) $16-3:16=15:x=20.-16.=4.$

(45) $2\times60:150=56:x=70$.

(46) $(2\times40+32)\times4+2:15=$,
$(3\times40+22)\times4+2:x=19$.

(47) $1.5:180=1\frac{5}{6}:x=220$.

(48) $30-6:30-2=30:x=35$.
$35-(30-2)=7$.

(49) $24-6:9-3=24:x=8$.

(50) $4^2:320=3^2:x=180$.

正轉混合問題

(1) $3:4=15:x=20$.

(2) $5:72=100:x=1440$.

(3) $40:100=42:x=105$.

(4) $8:96=23:x=276$.

(5) $12:540=5:x=225$.

(6) $20:160=5:x=40$.

(7) $28:3=1400:x=150$.

(8) $12:150=18:x=225$.

(9) $7:350=31:x=1550$.

(10) $35:3=105:x=9$.

(11) $9:36=7:x=28$.

(12) $310:442=22100:x=28730$.

(13) $3:3600=4:x=4800$.

(14) $12:8=15.x=10$.

(15) $0.36:12=12:x=400$.

(16) $42:56=36:x=48$.

(17) $25:100=100:x=400$.

(18) $132:627=84:x=399$.

(19) $42:54=35:x=45$.

(20) $10:4=5:x=2$.

(21) $30:600=12:x=240$.

(22) $9.5:43=437:x=197.8$

(23) $4:5=32:x=40$.

(24) $45:750=48:x=800$.

(25) $5:3=455:x=273$.

(26) $6:4.5=120:x=135$.

(27) $5:7=400:x=560$.

(28) $7-5:7=150:x=525$.

(29) $50:550=42:x=462$.

(30) $150:45=855:x=256\frac{1}{2}\times60=$,
$256÷60=4^{時}16^{分}30^{秒}$.

(31) $546:455=546-60:x=405.$

(32) $24-8:35=24:x=40-35=5.$

(33) $12-7:12=350:x=840.$
$12-7:7=350:x=490.$

(34) $13:260=15:x=300.$ $\begin{array}{r}375.\\-300.\\\hline 75.\end{array}$

(35) $237:790=300\ 237:x=210.$

(36) $40:45-40=100:x=125$

(37) $7+4:7=5643:x=3591.$
$7+4:5=5643:x=2565.$
$7+4:4=5643:x=2052.$

(38) $\overset{2)\underline{480}}{240}:7.5=360:x=\overset{時}{11}\frac{1}{\cancel{4}}\times\overset{15}{\cancel{60}},$
$=\overset{分}{15}.$

(39) $9:35=21:x=\overset{8}{8}\frac{1}{6}\times8=\frac{4}{3}=\overset{時}{1}\frac{1}{3}$
$\frac{1}{\cancel{3}}\times\overset{20}{\cancel{60}}=\overset{分}{20}.$

(40) $700:2800=100:x=400.$

(41) $10\times30:140=145\times30+18:,$
$x=2038.4$

(42) $(1\times36+18)\times60:72=,$
$(3\times36+27)\times60+27:x=180.6$

(43) $3\times60+18:3=1\times60+39:x,$
$=\overset{分}{1}\frac{1}{\cancel{2}}\times\overset{30}{\cancel{60}}=\overset{秒}{30}.$

(44) $1\times7+5:576=3\times7+4:x=1200$

(45) $21\times6:3500=13\times6+3:x=2250$

(46) $15:2\times36+13=7\times60:x=2380.$
$2380\div36=\overset{里}{66}.\ \overset{町}{4}.$

(47) $3\times60+15:91=1\times36\times60:x=1008$

(48) $120:1\times36+12=150:x=60.$
$60\div36=\overset{里}{1}.\ \overset{町}{24}.$
$\begin{array}{r}-1.\ 12.\\\hline 12.\end{array}$

(49) $7:350=1\times36\times60\times18\times60:x,$
$=116640000.$

(50) $4\frac{1}{3}:8=5\times60+38:x=624.$
$624\div60=\overset{時}{10}.\ \overset{分}{24}.$

(51) $5\frac{1}{3}:6=9\frac{1}{3}:x=10.5$

(52) $2.5:1\frac{1}{8}=530\frac{1}{6}:x=238\frac{23}{40}$

(53) $3\frac{1}{3}:8\times60+44=3\frac{3}{4}:x=589,$
$589\div60=\overset{時}{9}.\ \overset{分}{49}.\ ,\frac{1}{2}\times60=\overset{秒}{30}.$

(54) $\frac{3}{7}:21=1-\frac{3}{7}:x=28.$

(55) $6\frac{1}{5}-5\frac{6}{7}:6\frac{1}{5}=1\frac{1}{3}:x=24\frac{1}{9}$

(56) $10:1\times24+6=7\frac{1}{3}:x=22.$

(57) $\frac{20}{6}+1\frac{2}{3}:6=\frac{20}{6}:x=4.$

(58) $\frac{7}{12}:3500=1-\frac{7}{12}:x=2500.$

(59) $7:8\frac{1}{3}=4\frac{1}{5}:x=2.$

(60) $8.4:2=29.4:x=7.$

(61) $2:8.4=6:x=25.2$

(62) $116\div2-1:171=116\div2+1:x=177.$

(63) $116\div2-2:280=116\div2+2:x=300.$

(64) $50:2.5=250:x=12.5$

(65) $75-51:3=440:x=55.$

(66) $10-6:6=12-10+8:x=15.$

(67) $12-6.5:7=6\frac{5}{60}-1.5:x=\overset{時}{5}.\ \overset{分}{30}.$

(68) $\frac{2}{5}:128.5=\frac{3}{5}:x=\overset{時}{5}.\ \overset{分}{15}.$

(69) $355:113=4615:x=1469.$

(70) $113:355=45.2:x=142.$

(71) $212-32:100=68-32:x=20.$

(72) $212-32:100=95-32:x=35.$

(73) $100:312-32=25:x=\begin{array}{r}45.\\+32.\\\hline 77.\end{array}$

(74) $100:212-32=12.5:x=\begin{array}{r}22.5\\+32.\\\hline 54.5\end{array}$

(75) $212-32:80=59-32:x=12.$

(76) $212-32:80=95-32:x=28.$

(77) $80:212-32=20:x=\begin{array}{r}45.\\+32.\\\hline 77.\end{array}$

(78) $80:212-32=12:x=\begin{array}{r}27.\\+32.\\\hline 59.\end{array}$

(79) $80:100=40:x=50.$

(80) $\left\{\begin{array}{l}212-32:100=77-32:x=25.\\212-32:80=77-32:x=20.\end{array}\right.$

(81) $4^2:48=3^2:x=27.$

(82) $2^2:32=2.5^2:x=50.$

(83) $4^2:12=3^2:x=\overset{時}{6}.\ \overset{分}{45}.$

(84) $15^2:125=12^2:x=80.$

(85) $5^2:3=10^2:x=12.$

(86) $3^2:180=4^2:x=320.$

(87) $\left\{\begin{array}{l}3^2:10800=1\times6\times20\times6:x=\text{〃}\\\qquad\qquad\qquad\text{〃}864000.\end{array}\right.$

(88) $2\frac{1}{4}-1\frac{1}{2}:1\frac{1}{2}\times6=2\frac{1}{4}:x=27.$

(89) $\left\{\begin{array}{l}7:10.5=365:x=45\overline{)547.5}\quad\underset{俵}{12}.\ \underset{升合}{7.5}\\45:300=547.5:x=3650.\end{array}\right.$

(90) $48-10:60-3=48:x=72.$

(91) $\left\{\begin{array}{l}24:5=12-8+8:x=\overset{分}{2}.\ \overset{秒}{30}.\\\begin{array}{rrr}\overset{時}{8}. & \overset{分}{0}. & \overset{秒}{0}.\\+\quad & 2. & 30\\\hline 8. & 2. & 30.\end{array}\end{array}\right.$

(92) $24:7=12+6:x=\overset{分}{5}.\ \overset{秒}{15}.$

$$\begin{array}{r} \overset{時}{6}.\ \overset{分}{0}.\ \overset{秒}{0}. \\ +\quad 5.\ 15. \\ \hline 6.\ 5.\ 15. \end{array}$$

(93) $24:5\times60+30=12-3+12+9:x=$

$$\begin{array}{r} \overset{時}{9}.\ \overset{分}{0}.\ \overset{秒}{0}. \\ -\quad 6.\ 52.5 \\ \hline 8.\ 53.\ 7.5 \end{array} \qquad \begin{array}{r} 60\overline{)412.5} \\ \underset{分}{6}.\ \underset{秒}{52.5} \end{array}$$

(94) $24:6\times60+18=12-10+24+2:$〃

$$\begin{array}{r} \overset{時}{2}.\ \overset{分}{0}.\ \overset{秒}{0}. \\ -\quad 7.\ 21. \\ \hline 1.\ 52.\ 39. \end{array} \qquad \begin{array}{r} x=441. \\ 60\overline{)\quad\quad} \\ \underset{分}{7}.\ \underset{秒}{21}. \end{array}$$

(95) $24\times60+15:24\times60=24+10:x=$〃

$$\begin{array}{r} \overset{時}{33}.\ \overset{分}{52}.\ \overset{秒}{56}\frac{8}{17}. \\ -\ 24. \quad\quad\quad \\ \hline 9.\ 52.\ 56\frac{8}{17}. \end{array}$$

(96) $12:3=12-8+10:x=\overset{分}{3}.\ \overset{秒}{30}.$

(97) $24:8=12-9+7:x=\overset{分}{3}.\ \overset{秒}{20}.$

$$\begin{array}{r} \overset{時}{9}.\ \overset{分}{0}.\ \overset{秒}{0}. \\ -\quad 3.\ 20. \\ \hline 8.\ 56.\ 40. \end{array}$$

(98) $12:6=12-9+6.5:x=\overset{分}{4}.\ \overset{秒}{45}.$

$$\begin{array}{r} \overset{時}{6}.\ \overset{分}{30}.\ \overset{秒}{0}. \\ -\quad 4.\ 45. \\ \hline 6.\ 25.\ 15. \end{array}$$

(99) $15:5=12-7+4:x=\overset{分}{1}.\ \overset{秒}{48}.$

$$\begin{array}{r} \overset{時}{4}.\ \overset{分}{0}.\ \overset{秒}{0}. \\ +\quad 1.\ 48. \\ \hline 4.\ 1.\ 48. \end{array}$$

(100) $24:4=3:x=\overset{秒}{30}.$

$$\begin{array}{rr} & \overset{時}{3}.\ \overset{分}{0}.\ 0. \\ & +\quad\ 30. \\ \hline & 3.\ 0.\ 30. \\ 15\div2= & -\ 7.\ 30. \\ \hline & 2.\ 53.\ 0. \end{array}$$

(101) $-\frac{5}{6}:24-6+12=1-\frac{5}{6}:x=6.$

(102) $10+6\times\frac{5}{9}:12=5:x=4.5$

(103) $3:4=2.5:x=\overset{時}{3}.\ \overset{分}{20}.$

(104) $3-1.5:7=3+1.5:x=21.$

(105) $11:12=1:x=\overset{時}{1}.\ \overset{分}{5}.\ \overset{秒}{27}\frac{3}{11}$

(106) $11:12=2:x=\overset{時}{2}.\ \overset{分}{10}.\ \overset{秒}{54}\frac{6}{11}$

(107) $11:12=\frac{1}{2}:x=\overset{時}{0}.\ \overset{分}{32}.\ \overset{秒}{43}\frac{7}{11}$

(108) $11:12=4\frac{1}{2}:x=\overset{時}{4}.\ \overset{分}{54}.\ \overset{秒}{32}\frac{8}{11}$

(109) $\begin{cases} 11:12=1\frac{1}{4}:x=\overset{時}{1}.\ \overset{分}{21}\ \overset{秒}{49}\frac{1}{11} \\ 11:12=1\frac{3}{4}:x=\overset{時}{1}.\ \overset{分}{54}.\ \overset{秒}{32}\frac{8}{11} \end{cases}$

(110) $\begin{cases} 11:12=2\frac{1}{4}:x=\overset{時}{2}.\ \overset{分}{27}.\ \overset{秒}{16}\frac{4}{11} \\ 11:12=2\frac{3}{4}:x=3. \end{cases}$

(111) $20^2:800=15^2:x=450.$

(112) $9^2:108=6^2:x=48.$

(113) $12^2:150=18^2:x=337.5$

(114) $\begin{cases} (2\times36+32)\times60+10:〃 \\ 〃35\times60+25=25:x=8.5 \end{cases}$

(115) $16:20=4:x=5.$

(116) $3:9=3+4:x=21.$

(117) $\begin{array}{l}\quad\ \ \overset{間}{1.}\overset{尺}{4.}\\ 15:\underline{-1\ \ }\ 4.=15+30:x=\overset{尺}{6)\,\underline{12.}}\\ \qquad\qquad\qquad\qquad\qquad\quad 2.\end{array}$

(118) $\left\{\begin{array}{l}3\times6-0.5:2\times6+2.5=\ \ \underline{+1.}\\ \qquad\qquad\qquad\qquad\qquad\quad 3.\\ 3\times6-4:x=11.6\div6=\overset{尺}{1.}\overset{間}{5}\overset{尺寸}{6}\end{array}\right.$

(119) $91-3:\frac{22}{7}=91:x=3.25$

(120) $\left\{\begin{array}{l}5:1=18:x=\overset{日}{3.}\ \overset{時}{14.}\ \overset{分}{24.}\\ \ \ 12.\ \ 0.\qquad\quad \underline{-3.\ \ 9.\ 30.}\\ \underline{-4.\ 54.}\qquad\qquad\quad 4.\ 54.\\ \ \ \times 7.\ \ 6.\end{array}\right.$

(121) $\left\{\begin{array}{l}24:3=3\times24+3:x=\overset{分}{9.}\ \overset{秒}{22\frac{1}{2}}\\ \overset{時}{3.}-\overset{分}{9.}\ \overset{秒}{22\frac{1}{2}}=\overset{時}{2.}\ \overset{分}{50.}\ \overset{秒}{37\frac{1}{2}}\end{array}\right.$

(122) $24:4\times60+12=12+3\times24+9\frac{24}{60},$

$\therefore x=\overset{分}{16.}\ \overset{秒}{20}\frac{7}{10}$

$\begin{array}{r}15.\qquad\\ \underline{+9.\ 24.\qquad}\\ \underset{時}{9.}\ \underset{分}{55.}\ \underset{秒}{20}\frac{7}{10}\end{array}$

(123) $2\times24\times60+5:2\times24\times60=5\frac{6}{24},$

$\therefore x=\overset{日}{5.}\ \overset{時}{5.}\ \overset{分}{46.}\ \overset{秒}{53}\frac{499}{577}$

$\begin{array}{r}\underline{-5.\qquad\qquad\qquad}\\ \underset{時}{5.}\ \underset{分}{46.}\ \underset{秒}{53}\frac{499}{577}\end{array}$

(124) $12-3:42=3:x=14$

(125) $49:\frac{112}{2}=\frac{112}{2}:x=64+49=113$

$113:355=113:x=355.$

(126) $1.5:6+1.5=6+1.5:x=37.5$

$\begin{array}{r}\underline{-\ 1.5}\\ 2)\,\underline{36.}\ \overset{尺}{}\ \overset{間}{}\\ 18\div6=3.\end{array}$

合率比例

(1)

$\left.\begin{matrix}5\\4\end{matrix}\right\}:2=\left.\begin{matrix}8\\12\end{matrix}\right\}:x=9.6$

(2)

$\left.\begin{matrix}18\\3\end{matrix}\right\}:2430=\left.\begin{matrix}7\\15\end{matrix}\right\}:x=4725.$

(3)

$\left.\begin{matrix}4500\\12\end{matrix}\right\}:240=\left.\begin{matrix}7500\\9\end{matrix}\right\}:x=300.$

(4)

$\left.\begin{matrix}7\\24\end{matrix}\right\}:210=\left.\begin{matrix}5\\12\end{matrix}\right\}:x=75.$

(5)

$\left.\begin{matrix}8\\15\end{matrix}\right\}:42=\left.\begin{matrix}18\\21\end{matrix}\right\}:x=132.3$

(6)

$\left.\begin{matrix}250\\4\end{matrix}\right\}:270=\left.\begin{matrix}400\\7\end{matrix}\right\}:x=756.$

(7)

$\left.\begin{matrix}27\\15\end{matrix}\right\}:9=\left.\begin{matrix}48\\12\end{matrix}\right\}:x=12.8$

(8)

$\left.\begin{matrix}54\\9\end{matrix}\right\}:4=\left.\begin{matrix}126\\14\end{matrix}\right\}:x=14\frac{14}{27}$

(9)

$$\left.\begin{matrix}9\\30\end{matrix}\right\}:720=\left.\begin{matrix}3\\12\end{matrix}\right\}:x \quad \therefore x=96.$$

(10)

$$\left.\begin{matrix}420\\5\end{matrix}\right\}:300=\left.\begin{matrix}350\\3\end{matrix}\right\}:x \quad \therefore x=150.$$

(11)

$$\left.\begin{matrix}25\\8\\13\end{matrix}\right\}:13=\left.\begin{matrix}40\\9\\7\end{matrix}\right\}:x \quad \therefore x=12.6$$

(12)

$$\left.\begin{matrix}3\\4\\50\end{matrix}\right\}:125=\left.\begin{matrix}6\\5\\40\end{matrix}\right\}:x \quad \therefore x=250.$$

(13)

$$\left.\begin{matrix}5\\420\end{matrix}\right\}:7=\left.\begin{matrix}6\\300\end{matrix}\right\}:x \quad \therefore x=6.$$

(14)

$$\left.\begin{matrix}150\\20\end{matrix}\right\}:8=\left.\begin{matrix}100\\45\end{matrix}\right\}:x \quad \therefore x=12.$$

(15)

$$\left.\begin{matrix}120\\2\times7\end{matrix}\right\}:16=\left.\begin{matrix}270\\7\end{matrix}\right\}:x \quad \therefore x=18.$$

(16)

$$\left.\begin{matrix}20\\24\end{matrix}\right\}:25=\left.\begin{matrix}12\\2\times60+36\end{matrix}\right\}:x \quad \therefore x=97.5$$

(17)

$$\left.\begin{matrix}9.5\\720\end{matrix}\right\}:3800=\left.\begin{matrix}18\\4200\end{matrix}\right\}:x \quad \therefore x=4200$$

(18)

$$\left.\begin{matrix}12\\12\end{matrix}\right\}:24=\left.\begin{matrix}5.4\\20\end{matrix}\right\}:x \quad \therefore x=18.$$

(19)

$$\left.\begin{matrix}196\\15\end{matrix}\right\}:35=\left.\begin{matrix}21\\24\end{matrix}\right\}:x \quad \therefore x=6.$$

(20)

$$\left.\begin{matrix}15\\10\\3\end{matrix}\right\}:135=\left.\begin{matrix}6\\11\\2\times7+6\end{matrix}\right\}:x \quad \therefore x=396.$$

(21)

$$\left.\begin{matrix}2\times6+4.5\\2\times6\end{matrix}\right\}:1\times6+3=\left.\begin{matrix}1\times6+2\\1\times6+5\end{matrix}\right\}:x \quad \therefore x=4.$$

(22)

$$\left.\begin{matrix}40\\360\end{matrix}\right\}:1080=\left.\begin{matrix}35\\5000\end{matrix}\right\}:x \quad \therefore x=13125.$$

(23)

$$\left.\begin{matrix}1000\\6\times8+4\end{matrix}\right\}:40=\left.\begin{matrix}50\\13\times6+2\end{matrix}\right\}:x \quad \therefore x=4.$$

(24)

$$\left.\begin{matrix}1.8\\1\end{matrix}\right\}:275=\left.\begin{matrix}3\times6\\4.5\end{matrix}\right\}:x \quad \therefore x=12375.$$

(25)

$$\left.\begin{matrix}420\\5\\30\end{matrix}\right\}:600=\left.\begin{matrix}300\\7\\15\end{matrix}\right\}:x=300.$$

(26)

$$\left.\begin{matrix}9\\48\end{matrix}\right\}:34560=\left.\begin{matrix}5\\200\end{matrix}\right\}:x=80000.$$

(27)

$$\left.\begin{matrix}5\\10\end{matrix}\right\}:2,5=\left.\begin{matrix}6\\5\end{matrix}\right\}:x=1,5$$

(28)

$$\left.\begin{matrix}6\\1200\end{matrix}\right\}:400=\left.\begin{matrix}3\\1500\end{matrix}\right\}:x=250.$$

(29)

$$\left.\begin{matrix}36000\\3\times36+12\end{matrix}\right\}:21=\left.\begin{matrix}40000\\2,5\times36\end{matrix}\right\}:x=17,5$$

(30)

$$\left.\begin{matrix}12\\25\end{matrix}\right\}:72=\left.\begin{matrix}10\\20\end{matrix}\right\}:x=48.$$

(31)

$$\left.\begin{matrix}18\\5\end{matrix}\right\}:4050=\left.\begin{matrix}1\\1\end{matrix}\right\}:x=45.$$

(32)

$$\left.\begin{matrix}8\\48\end{matrix}\right\}:300=\left.\begin{matrix}7\\160\end{matrix}\right\}:x=875.$$

(33)

$$\left.\begin{matrix}7\\12\end{matrix}\right\}:4=\left.\begin{matrix}9\\91\end{matrix}\right\}:x=39.$$

(34)

$$\left.\begin{matrix}25\\80\end{matrix}\right\}:8=\left.\begin{matrix}30\\100\end{matrix}\right\}:x=12.$$

(35)

$$\left.\begin{matrix}5\\12\end{matrix}\right\}:660=\left.\begin{matrix}6\\7\end{matrix}\right\}:x=462$$

(36)

$$\left.\begin{matrix}9\\125\end{matrix}\right\}:45=\left.\begin{matrix}8\\150\end{matrix}\right\}:x=48.$$

(37)

$$\left.\begin{matrix}30\\11505\end{matrix}\right\}:5900=\left.\begin{matrix}65\\5580\end{matrix}\right\}:x=6200.$$

(38)

$$\left.\begin{matrix}28\\50\\30\end{matrix}\right\}:18=\left.\begin{matrix}26\\40\\35\end{matrix}\right\}:x=15.6$$

(39)

$$\left.\begin{matrix}21\\4\end{matrix}\right\}:6=\left.\begin{matrix}32\\7\end{matrix}\right\}:x=16.$$

(40)

$$\left.\begin{matrix}12.5\\5\end{matrix}\right\}:280=\left.\begin{matrix}15\\10\end{matrix}\right\}:x=672.$$

(41)

$$\left.\begin{array}{r}4\\50\\18\end{array}\right\}:45=\left.\begin{array}{r}3\\35\\32\end{array}\right\}:x=42.$$

(42)

$$\left.\begin{array}{r}50\\3\\12\end{array}\right\}:10=\left.\begin{array}{r}150\\7\\9\frac{36}{60}\end{array}\right\}:x=56.$$

(43)

$$\left.\begin{array}{r}12\\10.5\end{array}\right\}:15=\left.\begin{array}{r}6\\7\end{array}\right\}:x=5.$$

(44)

$$\left.\begin{array}{r}4.9\\4.9\\2.7\end{array}\right\}:1=\left.\begin{array}{r}1\times60+3\\49\\21\end{array}\right\}:x=1000.$$

(15)

$$\left.\begin{array}{r}12\frac{1}{5}\\370\end{array}\right\}:100=\left.\begin{array}{r}9\frac{1}{4}\\2440\end{array}\right\}:x=500.$$

(46)

$$\left.\begin{array}{r}2\times36\\7\end{array}\right\}:6=\left.\begin{array}{r}1\times36+6\\8\end{array}\right\}:x=4.$$

(47)

$$\left.\begin{array}{r}5\\250\\12\end{array}\right\}:20=\left.\begin{array}{r}6\\100\\30\end{array}\right\}:x=24.$$

(48)

$$\left.\begin{array}{r}8\\7\end{array}\right\}:1050=\left.\begin{array}{r}2\\365\end{array}\right\}:x=36500.$$

(49)

$$\left.\begin{array}{r}5\\32\end{array}\right\}:15=\left.\begin{array}{r}6\\16\end{array}\right\}:x=9.$$

(50)

$$\left.\begin{array}{r}300\\45\end{array}\right\}:20=\left.\begin{array}{r}100\\54\end{array}\right\}:x=8.$$

(51)

$$\left.\begin{array}{r}6\\7\end{array}\right\}:63=\left.\begin{array}{r}10\\8\end{array}\right\}:x=120.$$

(52)

$$\left.\begin{array}{r}35\\20\end{array}\right\}:100=\left.\begin{array}{r}30\\21\end{array}\right\}:x=90.$$

(53)

$$\left.\begin{array}{r}18\\1\end{array}\right\}:24=\left.\begin{array}{r}15\\3\end{array}\right\}:x=60.$$

(54)

$$\left.\begin{array}{r}22\\22\times30+12\end{array}\right\}:11=\left.\begin{array}{r}7\\128\times30\end{array}\right\}:x=20.$$

(55)

$$\left.\begin{array}{r}7\\1\\1\end{array}\right\}:560=\left.\begin{array}{r}6\\0.5\\1\frac{2}{3}\end{array}\right\}:x=160.$$

(56)

$$\left.\begin{array}{r}60\\12\end{array}\right\}:1=\left.\begin{array}{r}160\\9\end{array}\right\}:x=2.$$

(57)

$$\left.\begin{array}{r}3\\1\\828\end{array}\right\}:15=\left.\begin{array}{r}4\\1.5\\1242\end{array}\right\}\therefore x=45.$$

(58)

$$\left.\begin{array}{r}450\\60000\end{array}\right\}:2.5=\left.\begin{array}{r}300\\144000\end{array}\right\}\therefore x=4.$$

(59)

$$\left.\begin{array}{r}80\\1\end{array}\right\}:15=\left.\begin{array}{r}12\\3\end{array}\right\}\therefore x=18.$$

(60)

$$\left.\begin{array}{r}598.5\\15\\8\end{array}\right\}:108=\left.\begin{array}{r}465.5\\12\\20\end{array}\right\}\therefore x=168.$$

(61)

$$\left.\begin{array}{r}36\\150\end{array}\right\}:24=\left.\begin{array}{r}30\\300\end{array}\right\}\therefore x=40.$$

(62)

$$\left.\begin{array}{r}6\\9\\2\frac{1}{3}\end{array}\right\}:14=\left.\begin{array}{r}15\\8\\1\frac{4}{5}\end{array}\right\}\therefore x=24.$$

(63)

$$\left.\begin{array}{r}148\\46\end{array}\right\}:69=\left.\begin{array}{r}160\\87\end{array}\right\}\therefore x=60.$$

(64)

$$\left.\begin{array}{r}3\times6\\16\times6\end{array}\right\}:6=\left.\begin{array}{r}6\\6\end{array}\right\}\therefore x=0.125$$

(65)

$$\left.\begin{array}{r}100\\6\\\frac{2}{3}\end{array}\right\}:26=\left.\begin{array}{r}12\\8\\\frac{1}{3}\end{array}\right\}\therefore x=2.$$

(66)

$$\left.\begin{array}{r}75\\1\end{array}\right\}:1\frac{3}{4}=\left.\begin{array}{r}800\\\frac{3}{4}\end{array}\right\}\therefore x=14.$$

(67)

$$\left.\begin{array}{r}45\\\frac{2}{3}\end{array}\right\}:3600=\left.\begin{array}{r}35\\1\end{array}\right\}\therefore x=4200.$$

(68)

$$\left.\begin{array}{r}11\\2\frac{12}{36}\end{array}\right\}:2\frac{34}{60}=\left.\begin{array}{r}36\\2.5\end{array}\right\}\therefore x=9.$$

(69)

$$\left.\begin{array}{r}50000\\3\\12\\8\end{array}\right\}:20=\left.\begin{array}{r}30000\\4\\8\\9\end{array}\right\}\therefore x=12.$$

(70)

$$\left.\begin{array}{r}640\\24\end{array}\right\}:3=\left.\begin{array}{r}640\\-160\\\hline480\\48\end{array}\right\}\therefore x=8.$$

(71)

$$\left.\begin{array}{r}3\\10\frac{4}{6}\\450\\2\end{array}\right\}:4\frac{3}{6}=\left.\begin{array}{r}2\\5\\1600\\1\end{array}\right\}\therefore x=\overset{\text{間}}{2}.\ \overset{\text{尺}}{3}.$$

(72)

$$\left.\begin{array}{r}18+2\\100-40\end{array}\right\}:2=\left.\begin{array}{r}18\\100\end{array}\right\}\therefore x=3.$$

(73)

$$\left.\begin{array}{r}15\\7\\6\\4\\5\end{array}\right\}:105=\left.\begin{array}{r}24\\12\\10\\8\\4\end{array}\right\}\therefore x=288.$$

(74)

$$3\frac{1}{2}:6=2\frac{2}{3}:x=4\frac{4}{7}$$

$$\left.\begin{array}{r}8\\\frac{2}{3}\end{array}\right\}:14=\left.\begin{array}{r}8+4\frac{4}{7}\\\frac{1}{3}\end{array}\right\}\therefore x=11.$$

(75)

$$\left.\begin{array}{r}250\\10\end{array}\right\}:1\frac{8}{12}=\left.\begin{array}{r}150\\15\end{array}\right\}\therefore x=1.5$$

(76)

$$\left.\begin{array}{r}12+8\\6\end{array}\right\}:40=\left.\begin{array}{r}12\\5\end{array}\right\}\therefore x=20.$$

(77)

$$25:10=20\therefore x=8.$$

$$\left.\begin{array}{r}12+8\\1\end{array}\right\}:18=\left.\begin{array}{r}10\\8\end{array}\right\}\therefore x=72.$$

(78)

$$\left.\begin{array}{r}1\\3\times12+9\end{array}\right\}:1=\left.\begin{array}{r}9\\25\times10\end{array}\right\}\therefore x=50.$$

(79)

$$\left.\begin{array}{r}7\\9\\6\\7\end{array}\right\}:1=\left.\begin{array}{r}9\\8\\49\\3\end{array}\right\}\therefore x=4.$$

(80)

$$\begin{array}{r}1800\\\underline{+300}\\2100\end{array}$$

$$\left.\begin{array}{r}2100\\8\end{array}\right\}:5.6=\left.\begin{array}{r}1800\\8.5\ 2.5=6\end{array}\right\}\therefore x=3.6$$

$$5.6\ 3.6=2$$

(81)

$$\begin{array}{r}5000\\\underline{-1500}\\3500\end{array}$$

$$\left.\begin{array}{r}1500\\6-2\end{array}\right\}:300=\left.\begin{array}{r}3500\\2\end{array}\right\}\therefore x\ 350.$$

$$350-300-50.$$

(82)

$$\left.\begin{array}{r}20\\15\\3\end{array}\right\}:12-\left.\begin{array}{r}30\\10\\2\end{array}\right\}\therefore x=8.$$

(83)

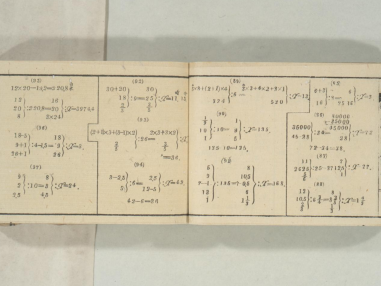
$$\begin{array}{r}50\\\underline{+30}\\80\end{array}$$

$$\left.\begin{array}{r}80\\8.5\\2\times6+4\\6\times60\end{array}\right\}:15-\left.\begin{array}{r}50\\8\\2\times6+5\\12\times60+48\end{array}\right\}\therefore x=20.$$

(84)

$$\begin{array}{r}350\\\underline{+150}\\500\end{array}$$

$$\left.\begin{array}{r}350\\5+2\end{array}\right\}:49=\left.\begin{array}{r}500\\5\end{array}\right\}\therefore x=50.$$



(85)

$$\left.\begin{array}{r}6+3\\16\end{array}\right\}:9=\left.\begin{array}{r}6\\25\ 16\end{array}\right\}:x=3.$$

(86)

$$\begin{array}{r}80000\\-35000\\\hline 45000\end{array}$$

$$\left.\begin{array}{r}35000\\45-28\end{array}\right\}:34=\left.\begin{array}{r}45000\\28\end{array}\right\}:x=72$$

$$72-34=38.$$

(87)

$$\left.\begin{array}{r}11\\2625\\\frac{5}{6}\end{array}\right\}:25=\left.\begin{array}{r}7\\3712.5\\1\end{array}\right\}:x=27.$$

(88)

$$\left.\begin{array}{r}12\\10.5\\\frac{2}{3}\end{array}\right\}:6\frac{3}{4}=\left.\begin{array}{r}8\\8\frac{2}{5}\\\frac{1}{3}\end{array}\right\}:x=1\frac{4}{5}$$

(89)

$$\left.\begin{array}{r}\overset{\vartriangle}{5}\times3+(2+1)\times4\\324\end{array}\right\}:6=\left.\begin{array}{r}\overset{\vartriangle}{3}\times3+4\times2+3\times1\\520\end{array}\right\}:x=13.$$

(90)

$$\left.\begin{array}{r}\frac{1}{3}\\10\\1\end{array}\right\}:10=\left.\begin{array}{r}1\\9\\5\end{array}\right\}:x=135.$$

$$135-10=125.$$

(91)

$$\left.\begin{array}{r}5\\9\\7-1\\13\\1\end{array}\right\}:136=\left.\begin{array}{r}8\\10.5\\7-0.5\\6\\1\frac{1}{3}\end{array}\right\}:x=168.$$

(92)

$$\left.\begin{array}{r}30+20\\18\\\frac{2}{5}\end{array}\right\}:9=\left.\begin{array}{r}30\\25\\\frac{3}{5}\end{array}\right\}:x=11^{\text{時}}.\ 15^{\text{分}}.$$

(93)

$$\left.\begin{array}{r}(2+1)\times3+(3-1)\times2\\\frac{2}{5}\end{array}\right\}:26=\left.\begin{array}{r}2\times3+3\times2\\\frac{3}{5}\end{array}\right\}:x$$

$$=36.$$

(94)

$$\left.\begin{array}{r}3-2.5\\5\end{array}\right\}:6=\left.\begin{array}{r}2.5\\12-5\end{array}\right\}:x=42.$$

$$42-6=36$$

(95)

$$12\times20-19.2=220.8\text{白米}$$

$$\left.\begin{array}{r}12\\20\\8\end{array}\right\}:220.8=\left.\begin{array}{r}16\\30\\3\times24\end{array}\right\}:x=3974.4$$

(96)

$$\left.\begin{array}{r}18-5\\9+1\\26+1\end{array}\right\}:4-1.5=\left.\begin{array}{r}18\\9\\26\end{array}\right\}:x=3.$$

(97)

$$\left.\begin{array}{r}9\\2\\2.5\end{array}\right\}:10=\left.\begin{array}{r}8\\3\\4.5\end{array}\right\}:x=24.$$

(98)

$$\left.\begin{matrix}3\\25\end{matrix}\right\}:1\tfrac{2}{3}=\left.\begin{matrix}9\\12\end{matrix}\right\}:\mathscr{X}=2\tfrac{2}{5}$$

$$4\div\frac{2}{5}=\frac{4}{1}\times\frac{5}{2}=10.$$

(99)

$$\left.\begin{matrix}7\\9\\8\\4+6\\2\end{matrix}\right\}:8.5=\left.\begin{matrix}10\\12\\14\\3+5\\1\tfrac{3}{6}\end{matrix}\right\}:\mathscr{X}=17.$$

(100)

$$\left.\begin{matrix}7000\\8\\30\\3\\9\end{matrix}\right\}:12=\left.\begin{matrix}4500\\18\\20\\7\\2\end{matrix}\right\}:\mathscr{X}=6.$$

單利法

(1) $565\times0.2=113$

(2) $384\times0.15=57.6$

(3) $350\times0.23=80.5$

(4) $48\times0.015=0.72$

(5) $135\times0.025=3.375$

(6) $485\times0.25\times2=242.5$

(7) $3850\times0.23\times3=2656.5$

(8) $56\times0.02\times8=8.96$

(9) $5870\times0.015\times5=440.25$

(10) $36\times0.013\times11=5.148$

(11) $830\times0.24\times3.5=697.2$

(12) $135\times0.15\times7.5=151.875$

(13) $85\times0.05\times3.5=14.875$

(14) $6530\times0.03\times(12+3)=2938.5$

(15) $5600\times0.023\times(3\times12+3)=$〃

〃5023.2

(16) $75\times0.018\times(4\times12+7)=74.25$

(17) $175\times(1+0.21)=211.75$

(18) $732\times(1+0.2\times3)=1171.2$

(19) $832\times(1+0.18\times6)=1730.56$

(20) $360\times(1+0.25\times2\frac{\overset{1}{3}}{\underset{4}{12}})=562.5$

(21) $3625\times(1+0.18\times5\frac{2}{3})=7322.5$

(22) 584×0.2×78÷365=24.96

(23) 2700×0.15×146÷365=162.

(24) 1825×0.024×12×65÷365〃
〃=93.6

(25) 165×0.015×12×219÷365〃
〃=17.82

(26) 15×25×6÷10=225.

(27) 35×20×8÷10=560.

(28) 15×25×4÷5=300.

(29) 12.5×15×6÷5=225.
12.5+2.25=14.75

(30) 75×25×8÷8=18.75
75+18.75=93.75

(31) 73×0.015×(3×30+16)÷30〃
〃=3.869

(32) 720×0.013×(5×30+25)÷30〃
〃=54.6

(33) $\frac{75\times0.25\times(31-15+28+29)}{365}=3.75$

(34) $\frac{125\times0.21\times(28-2+31+16)}{365}=5.25$

(35) 30-7+31+30+31+31+30+31〃
〃+30+31=268
$\frac{365\times0.2\times268}{365}=53.6$

(36) 30-9+31+30+31+31+30+31〃
〃+30+31+31+28+25=350
$\frac{657\times0.12\times350}{365}=75.6$

$$\begin{array}{r}75.6\\+657.\\\hline 732.6\end{array}$$

(37) 0.02×12=0.24

(38) 0.025×12=0.3

(39) 0.012×12=0.144

(40) 0.3÷12=0.025

(41) 0.21÷12=0.0175

(42) 0.225÷12=0.01875

(43) 12.5÷0.2=62.5

(44) 40.25÷0.23=175.

(45) 18.45÷0.15×3=41.

(46) 81.18÷0.015×12=451.

(47) 0.25×12÷0.3=10.

(48) 0.25×12÷0.6=5.

(49) 0.25×12÷0.375=8.

(50) $0.25\times12\div0.15=20.$

(51) $0.25\times12\div0.12=25.$

(52) $20\times0.15\div12=0.25$

(53) $10\times0.3\div12=0.25$

(54) $10\times0.24\div12=0.2$

(55) $312.5\div(1+0.25)=250.$

(56) $1829\div(1+0.18)=1550.$

(57) $854\div(1+0.015\times12)=800.$

(58) $175\div\left\{1+0.02\times(12+8)\right\}=125.$

(59) $91.875\div(1+0.15\times1.5)=75.$

(60) $347.5\div(1+0.12\times3\frac{1}{4})=250.$

(61) $71.875\div(1+0.125\times3.5)=50.$

(62) $59.25\div(1+0.2\times1\frac{7}{12})=45.$

(63) $1971.25\div(1+0.13\times2\frac{5}{12})=1500.$

(64) $4.32\div45\times0.016=6.$

(65) $435\div725\times0.2=3.$

(66) $3390\div5650\times0.15=4.$

(67) $(152-80)\div80\times0.18=5.$

(68) $(73.58-65)\div65\times0.012=11.$

(69) $(1987.5-1500)\div1500\times0.13=2.5$

(70) $(231-150)\div150\times0.24=\overset{年}{2}.\ \overset{月}{3}.$

(71) $11.9\div42\times0.2=\overset{年}{1}.\ \overset{月}{5}.$

(72) $159.25\div525\times0.13=\overset{年}{2}.\ \overset{月}{4}.$

(73) $18.75\div75=0.25$

(74) $87.75\div585=0.15$

(75) $43.75\div350=0.125$

(76) $0.25\div10=0.025$

(77) $0.18\div15=0.012$

(78) $3\div150=0.02$

(79) $0.2\times12\div25=0.096$

(80) $0.25\times12\div15=0.2$

(81) $45\div125\times3=0.12$

(82) $258\div430\times4=0.15$

(83) $10.8\div36\times(12+3)=0.02$

(84) $\begin{cases}30\div75\times(3\times12+4)=0.01\\0.01\times12=0.12\end{cases}$

(85) $8.625\div25\times1.5=0.23$

(86) $21.84\div48\times3.5=0.13$

(87) $1\div0.2=5.$

(88) $1\div0.125=8.$

(89) $1 \div 0.025 = 40.$

(90) $2 \div 0.025 = 80 \div 12 = \overset{年}{6}.\overset{月}{8}.$

(91) $2.5 \div 0.15 = \overset{年}{16}.\overset{月}{8}.$

(92) $(2.5 - 1) \div 0.12 = 12.5$

(93) $10 \div 0.25 = 40 \div 12 = \overset{年}{3}.\overset{月}{4}.$

(94) $(5 \div 2) \div 0.25 = 10$

(95) $\overset{二月}{28} - 2 + \overset{三月}{31} + \overset{四月}{30} + \overset{五月}{18} = 105.$

$\frac{146 \times 0.2 \times 105}{365} = 8.4$

$\overset{五月}{31} - 18 + \overset{六月}{30} + \overset{七月}{31} + \overset{八月}{31} + \overset{九月}{30} +$ 〃

〃 $\overset{十月}{31} + \overset{十一月}{30} = 196.$

$\frac{(146 + 73) \times 0.2 \times 196}{365} = 23.52$

$146 + 73 + 8.4 + 23.52 = 250.92$

(96) $\overset{三月}{31} - 10 + \overset{四月}{30} + \overset{五月}{22} = 73.$

$\frac{35 \times 0.18 \times 73}{365} = 1.26$

$\overset{五月}{31} - 22 + \overset{六月}{30} + \overset{七月}{31} + \overset{八月}{27} = 97.$

$\frac{(35 + 12.45) \times 0.18 \times 97}{365} = 2.2698$

$35 + 12.45 + 1.26 + 2.2698$ 〃

〃 50.9798

(97) $\overset{九月}{30} - 12 + \overset{十月}{31} + \overset{十一月}{30} + \overset{十二月}{31} + \overset{一月}{31} + \overset{二月}{5}$ 〃

〃 $= 146.$

$\frac{15 \times 0.02 \times 12 \times 146}{365} = 1.44$

$\overset{二月}{28} - 5 + \overset{三月}{31} + \overset{四月}{19} = 73.$

$\frac{(15 + 25) \times 0.02 \times 12 \times 73}{365} = 1.92$

$15 + 25 + 1.44 + 1.92 = 43.36$

(98) $\overset{六月}{30} - 15 + \overset{七月}{12} = 27.$

$\frac{5475 \times 0.2 \times 27}{365} = 81.$

$\overset{七月}{31} - 12 + \overset{八月}{31} + \overset{九月}{30} + \overset{十月}{31} + \overset{十一月}{30} + \overset{十二月}{5}$ 〃

〃 $= 146.$

$\frac{(5475 - 3000) \times 0.2 \times 146}{365} = 198.$

$5475 - 3000 + 81 + 198 = 2754.$

(99) $\overset{三月}{31} - 2 + \overset{四月}{30} + \overset{五月}{31} + \overset{六月}{30} + \overset{七月}{31} + \overset{八月}{31} +$ 〃

〃 $\overset{九月}{30} + \overset{十月}{7} = 219.$

$\frac{1865 \times 0.012 \times 12 \times 219}{365} = 161.136$

$\overset{十月}{31} - 7 + \overset{十一月}{30} + \overset{十二月}{31} = 85.$

$\frac{(1865 - 186) \times 0.012 \times 12 \times 85}{365} = 56.304$

$1865 - 186 + 161.136 + 56.304 =$ 〃

〃 1896.44

(100) $\overset{七月}{31} - 19 + \overset{八月}{3} = 15.$

$\frac{511 \times 0.018 \times 12 \times 15}{365} = 4.536$

$\overset{八月}{31} - 3 + \overset{九月}{7} = 35.$

$\frac{(511 - 146) \times 0.018 \times 12 \times 35}{365} = 7.56$

$\overset{九月}{30} - 7 + \overset{十月}{31} + \overset{十一月}{25} = 79$

$$\frac{(511-146+219)\times0.018\times12\times78}{365}=〃$$

〃27.3024

511−146+219+45.36+7.56+〃

〃27.3024=623.3984

(101) $\frac{82.8}{150\times3+(150-80)\times2}=0.12$

(102) $\frac{86.4-(65-35)}{65\times2+(65-35)\times3.5}=0.24$

(103) $\frac{3675-(3500-1200)}{3500\times1.5+(3500-1200)\times2.5}=〃$

〃0.125

(104) $\frac{\{31.875-(15+12)\}\times12}{15\times4+(15+12)\times5}=0.3$

(105) $\frac{\{23.556-(36-15)\}\times12}{36\times3+(36-15)\times5}=0.144$

(106) $\{36\div(0.2-0.15)\}\times2=1440.$

(107) $\{352.5\div(1.15+1.2)\}\times2=300.$

(108) $[140.5\div\{2+(0.12+0.15)\times3\}]$〃

〃$=100.$

(109) $120\div(1-0.25\times3)=480.$

(110) $250\div(0.15\times8-1)=1250.$

(111) $76.869\div\left\{1+\frac{0.015\times(3\times30+16)}{30}\right\}$〃

〃$=73.$

(112) $100\times0.08\div64=0.125$

(113) $30:10=27:x=9.$

(114) $\frac{346-331}{\{331\div\{1+0.012\times(2\times12+3)\}\}\times0.012}$

〃$=5$

(115) $\frac{183-\div-4-2.25\times0.12}{350-225}=0.15$

(116) $5+10+15+20+25+30+35$〃

〃$+40=180.$

$20:0.25=180:x=2.25$

$5\times8+2.25=42.25$

(117) $70+65+60+55+50+45+$〃

〃$40+35+30+25+20+15+$〃

〃$10+5=625.$

6[illegible]$\div525=0.012$

連鎖比例

(1)

$x=1.$

$2=8.$

$9=3.$

$1=264.$

$x=352.$

(2)

$x=15.$

$7=16.$

$30=35.$

$80=1060.$

$x=530.$

(3)

$x=45$.

3.=16.

150.=13.

$x=20.8$.

(4)

$x=350$.

1.=25.

125.=1

$x=70$.

(5)

$x=50$.

30.=18.

45.=60.

40.=60.

$x=60$.

(6)

$x=100$.

15.=12.

20.=28.

$x=112$.

(7)

$x=20$.

6.=16.

15.=27.

50.=100.

$x=192$.

(8)

$x=150$.

9.=7.

15=432.

$x=3360$.

(9)

$x=300$.

6.=25.

150.=100.

25.=10.

50.=3.

$x=20$.

(10)

$x=18$.

48.=50.

1.=1.2

$x=22.5$

(11)

$x=1$.

3.=2.

5.=16.

12.=27.

45.=540.

$x=57.6$

(12)

$x=1$.

1.=2000.

1.=16.

192.=175.

50.=414.

$x=241500$.

(13)

$x=\frac{1}{2}$.

5.=12.

7.=4.

3.=5.

3.=7.

1.=150.

$x=400$.

(14)

$x=7.5$

65.=45.

50=26.

$x=2.7$

(15)

$x=182$.

544.=546.

507.=408.

$x=147$.

(16)

$x=16$.

2.=3.

4.=5.

$x=30$.

(17)

$x=180$.

3.=7.

2.=5.

$x=1050$.

(18)
$x=15$.
$3.=2$.
$1.=4$.
$x=40$.

(19)
$x=10$.
$5.=9$.
$3.=5$.
$2.5=7$.
$x=84$.

(20)
$x=64$.
$12.=15$.
$8.=9$.
$x=90$.

(21)
$x=42\frac{19}{22}$.
$25.=37$.
$943.=825$.
$x=55.5$

(22)
$x=30$.
$15.=18$.
$4\frac{1}{2}.=6\frac{1}{4}$.
$x=50$.

(23)
$x=500$.
$2\frac{1}{3}.=3\frac{1}{2}$.
$5.=8$.
$x=1200$.

(24)
$x=18$.
$1.=1.25$
$1.2=1$.
$x=18.75$

(25)
$x=1920$.
$24.=25$.
$100.=107$.
$x=2140$.

(26)
$x=45$.
$3.=2$.
$6.=5$.
$x=25$.

(27)
$x=300$
$3.=8$.
$4.=7$.
$5.=13$.
$x=3640$.

(28)
$x=8200$.
$17.=12$.
$24.=17$.
$41.=56$.
$x=5600$.

(29)
$x=34$.
$8.=13$.
$26.=45$.
$51.=32$.
$x=60$.

(30)
$x=30$.
$100.=14$.
$225.=25$.
$21.=12$.
$8.=30$.
$x=10$.

(31)
$x=4$.
$\frac{1}{5}=\frac{1}{4}$
$\frac{1}{6}=\frac{1}{5}$
$x=6$.

(32)
$x=30$.
$\frac{1}{4}=\frac{1}{5}$
$\frac{1}{5}=\frac{1}{6}$
$x=20$.

(33)
$x=10$.
$\frac{1}{3}=\frac{1}{2}$
$\frac{1}{6}=\frac{1}{5}$
$x=18$.

(34)

$x=42$.

$\frac{1}{5}=\frac{1}{7}$

$\frac{1}{2}=\frac{1}{3}$

$x=20$.

(35)

$x=8$.

$\frac{1}{5}=\frac{1}{4}$

$\frac{1}{3}=\frac{1}{2}$

$\frac{1}{10}=\frac{1}{5}$

$x=30$

(36)

$x=8$.

$26.=1040$.

$1.=1.2$

$x=384$.

(37)

$x=15$.

$25.=200$.

$1.=1.15$

$x=138$.

(38)

$x=75$.

$25.=28$.

$14.=20$.

$1.=2$.

$1.=1.1$

$x=264$.

(39)

$x=4$.

$3.293=1$.

$160.=3951.6$

$1.=12$

$x=36$.

(40)

$x=5$.

$4.=5$.

$7.=8$.

$1.=21$.

$1.=0.8$

$x=120$.

(41)

$x=9$.

$2.=3$.

$18.=20$

$3.=2$.

$x=10$.

(42)

$x=35$.

$45=5.4$

$14.=15$.

$x=45$.

(43)

$x=14$.

$5.=3$.

$7.=5$.

$x=6$.

(44)

$x=28$.

$6.=5$.

$7.=18$.

$6.=2.5$

$x=25$.

(45)

$x=54$.

$3.=2$.

$8.=7$.

$21.=16$.

$x=24$.

(46)

$x=380$.

$8.=9$.

$6.=7$.

$10.=11$.

$19.=32$.

$x=924$.

(47)

$x=100$.

$4.=4.5$

$8\frac{1}{3}=6$.

$24.=50$.

$1.=1.12$

$x=189$.

(48)

$x=3.$

$2\frac{1}{4}=1.$

$1\frac{1}{3}=1.$

$x=1.$

(49)

$x=100.$

$\frac{2}{3}=1.$

$\frac{5}{7}=1$

$x=210.$

(50)

$x=21.$

$0.7=1.$

$1=1.2$

$x=36.$

(51)

$x=1.$

$1=\frac{9}{10}$

$1=\frac{17}{150}$

$x=\frac{51}{500}$

(52)

$x=5.$

$12=360.$

$1=1.2$

$1=1.05$

$x=189.$

(53)

$x=18.$

$4.5=1.$

$1=1.15$

$1=1.2$

$x=5.52$

(54)

$x=1.$

$1=320.$

$1=16.5$

$1=1.0036\frac{2}{3}$

$x=5299.36$

$=14\overset{\text{町}}{.}\,43\overset{\text{間}}{.}\,\overset{\text{尺寸分}}{1.36}$

(55)

$x=100.$

$190=266.$

$23=25.$

$31=115.$

$500=93.$

$x=105.$

(56)

$x=150.$

$93=200.$

$121=93.$

$1=0.242$

$x=60.$

(57)

$x=150.$

$37=4.5$

$10=6.$

$5=12.$

$1=1.11$

$x=29.16$

(58)

$x=16.$

$4=3\frac{5}{6}$

$8=7\frac{1}{2}$

$5\frac{1}{9}=2000.$

$x=7500.$

(59)

$x=34.$

$4\frac{5}{6}=5\frac{1}{3}$

$8\frac{1}{2}=7\frac{1}{4}$

$x=32.$

(60)

$x=125.$

$1=\frac{2}{3}$

$\frac{5}{6}=\frac{4}{5}$

$5=4.$

$x=64.$

(61)

$$x=\overset{\text{反}}{5}\overset{\text{畝}}{2}.\ \overset{\text{歩}}{10}.$$

$$5.=3.$$

$$\overset{\text{畝}}{4}.\ \overset{\text{歩}}{5}.=\overset{\text{畝}}{2}.\ \overset{\text{歩}}{15}.$$

$$12.=10.$$

$$x=15.\ 21.$$

(62)

$$x=28.$$

$$4.=5.$$

$$100.=212.-32.$$

$$\begin{array}{r} x=63. \\ +32. \\ \hline 95. \end{array}$$

(63)

$$x=68.-32.$$

$$212.-32.=100.$$

$$5.=4.$$

$$x=16.$$

(64)

$$x=690.\times 14.\ 14.$$

$$3=11.$$

$$23.=10.$$

$$x=450.^{\text{里}}\ 6.^{\text{町}}\ 40.^{\text{間}}$$

(65)

$$9.\times x=15.\times 16.5$$

$$22.=21.$$

$$5.=4.$$

$$x=21.$$

(66)

$$x=1.$$

$$0000000.=360.$$

$$1.=28\tfrac{1}{5}$$

$$1.=36$$

$$1.=60.$$

$$1.=6.$$

$$x=3.289248$$

(67)

$$x=1.$$

$$360.=10000000.$$

$$1.=3.3$$

$$6.=1.$$

$$60.=1.$$

$$36.=1.$$

$$x=28.^{\text{里}}\ 10.^{\text{町}}\ 31^{\text{間}}\tfrac{1}{9}$$

(68)

$$x=1.$$

$$1.=1.25$$

$$7.5\times 6.=2160.$$

$$100.=110.$$

$$x=66.$$

(69)

$$x=45.$$

$$3.=2.$$

$$15.=11.$$

$$\begin{array}{r} x=22. \\ -17. \\ \hline 25.\div 5.=5. \end{array}$$

(70)

$$x=2.$$

$$60.\times 0.8=49.5$$

$$3.=4.$$

$$8.\times 1.1=4.$$

$$x=\tfrac{5}{4}=1.25$$

(71)

$$\begin{array}{r} 5:6=10:x=12. \\ +15. \\ \hline 27. \end{array}$$

$$27.\times x=25.\times 1.$$

$$1.\times 7.=3.\times 3.$$

$$5.\times 1.=3.\times 2.$$

$$x=1^{\text{週}}.3^{\text{日}}.$$

(72)

$$x=1000.$$

$$93\tfrac{1}{3}=100.$$

$$484.=1.\times 20.\times 12.$$

$$9\tfrac{3}{13}=1.$$

$$x=5755\tfrac{515}{847}$$

(73)

$$x=1$$

$$200=1.$$

$$1=28.\ 7.\ 12$$

$$x=\overset{\text{町}}{5}\ \overset{\text{間}}{4}\ \overset{\text{尺}}{3}.\overset{\text{寸}}{3}\overset{\text{分}}{6}$$

(73)

$x=1.$

$10.=1.$

$180.=1.$

$200.=1.$

$1.=\overset{\text{里}}{28}.\overset{\text{町}}{7}.\overset{\text{間}}{12}.$

$x=1.0152$

(74)

$(10.5-8.)\times 60.=150.$ 甲

$150.-5.=145.$ 乙

$145.+8.=153.$ 丙

$12.-8.=4.$

$x=4.$

$153.=145.$

$145.=150.$

$x=\overset{\text{時}}{3}.\overset{\text{分}}{55}.\overset{\text{秒}}{17}\frac{11}{17}$

$$\begin{array}{r}\overset{\text{時}}{4}.\ \overset{\text{分}}{0}.\ \overset{\text{秒}}{0}.\\ -3.\ 55.\ 17\frac{11}{17}\\ \hline \underset{\text{分}}{4}.\ \underset{\text{秒}}{42}\frac{6}{17}\end{array}$$

(75)

$x=60.$

$6.=5$

$\frac{1}{9}=\frac{1}{10}$

$\frac{1}{10}=\frac{1}{15}$

$6.=5.$

$x=25.$

$x=25.$

$\frac{1}{4}=\frac{1}{5}$

$4=8$

$1=\frac{4}{5}$

$6.=5.$

$\frac{1}{2}=\frac{2}{5}$

$x=8$

按分連折比例

(1)

$$\begin{array}{l}3.\\ \underline{+2.}\\ 5:3=1520:x=912.\\ 《:2=\ 《\ :x=608.\end{array}$$

(2)

$$\begin{array}{l}3.\\ 4.\\ \underline{+5.}\\ 12:3=144:x=36.\\ 《:4=《\ :x=48.\\ 《:5=《\ :x=60.\end{array}$$

(3)

$$\begin{array}{l}500.\\ 350.\\ \underline{+200.}\\ 1050:500=210:x=100.^{\text{甲}}\\ 《\ :350=《\ :x=70.^{\text{乙}}\\ 《\ :200=《\ :x=40.^{\text{丙}}\end{array}$$

(4)

$$\begin{array}{l}2500.\\ 2000.\\ \underline{+1500.}\\ 6000:2500=1272:x=530.^{\text{甲}}\\ 《\ :2000=\ 《\ :x=424.^{\text{乙}}\\ 《\ :1500=\ 《\ :x=318.^{\text{丙}}\end{array}$$

(5)

$$\begin{array}{l}30.\\ 25.\\ \underline{+15.}\\ 70:30=525:x=225.^{\text{甲}}\\ 《\ 25=《\ :x=187.5^{\text{乙}}\\ 《\ 15=《\ :x=112.5^{\text{丙}}\end{array}$$

(6)

$$\begin{array}{l}1300\\ 700\\ \underline{+2000}\\ 4000:1300=1000:x=325.^{\text{甲}}\\ 《\ \ 700=\ 《\ :x=175.^{\text{乙}}\\ 《\ :2000=\ 《\ :x=500.^{\text{丙}}\end{array}$$

(7)

17.
13.
$+8.$
$38:17=190:x=85.$ 長子
$《 :13= 《 :x=65.$ 次子
$《 :8= 《 :x=40.$ 末子

(8)

1200.
1500.
$+1300.$
$4000:1200=2400:x=720.$ 上村
$《 :1500= 《 :x=900.$ 中村
$《 :1300= 《 :x=780.$ 下村

(9)

12.
7.
$+5.$
$24:12=288:x=144.$ 金
$《 :7= 《 :x=84.$ 銀
$《 :5= 《 :x=60.$ 銅

(10)

60
50.
40.
$+30.$
$180:60=90:x=30.$ 甲
$《 :50= 《 :x=25.$ 乙
$《 :40= 《 :x=20.$ 丙
$《 :30= 《 :x=15.$ 丁

(11)

150.
120.
105.
$-75.$
$450:150=1350:x=450.$ 甲
$《 :120= 《 :x=360.$ 乙
$《 :105= 《 :x=315.$ 丙
$《 :75= 《 :x=225.$ 丁

(12)

1.
$+2.$
$3:1=645:x=215$ 弟
$《:2= 《 :x=430$ 兄

(13)

1.
$+3.$
$4:1=480:x=120.$ 乙
$《 :3= 《 :x=360$ 甲

(14)

1.
$+2.5$
$3.5:1=4375:x=125.$ 甲
$《 :2.5= 《 :x=3125$ 乙

(15)

1.
2.
$+6.$
$9:1=1575:x=175.$ 下村
$《 :2= 《 :x=350.$ 中村
$《 :6= 《 :x=1050.$ 上村

(16)

1.
3.
$+9.$
$13:1=247:x=19.$ 甲
$《 :3= 《 :x=57.$ 乙
$《 :9= 《 :x=171.$ 丙

(17)

1.
4.
16.
$+64.$
$85:1=2975:x=35.$ 丁
$《 :4= 《 :x=140.$ 丙
$《 :16= 《 :x=560.$ 乙
$《 :64= 《 :x=2240.$ 甲

(18)

1.
1.
2.
+10.
14 : 1 = 448 : x = 32. 甲
《 : 1 = 《 : x = 32. 乙
《 : 2 = 《 : x = 64. 丙
《 : 10 = 《 : x = 320. 丁

(19)

1.
3.
8.
+56.
68 : 1 = 4964 : x = 73. 東村
《 : 3 = 《 : x = 219. 西村
《 : 8 = 《 : x = 584. 南村
《 : 56 = 《 : x = 4088. 北村

(20)

300×2=600.
200×4=800.
1400 : 600 = 420 : x = 180. 甲
《 : 800 = 《 : x = 240. 乙

(21)

12×15=180.
14×8=112.
292 : 180 = 3796 : x = 2340. 甲
《 : 112 = 《 : x = 1456. 乙

(22)

1500
1000.
+750.
3250 : 1500 = 650 : x = 300. 甲
350.
+300.
650
《 : 1000 = 《 : x = 200. 乙
《 : 750 = 《 : x = 150. 丙

(23)

25000×3=75000.
23000×4=92000.
21000×5=105000.
272000.
272000 : 75000 = 3536 : x = 975. 甲
《 : 92000 = 《 : x = 1196 乙
《 : 105000 = 《 : x = 1365 丙

(24)

600.
560.
+350.
1510 : 600 = 453 : x = 180. 大
《 : 560 = 《 : x = 168. 中
《 : 350 = 《 : x = 105. 小

(25)

25×18=450.
21×15=315.
765 : 450 = 3825 : x = 225. 甲
《 : 315 = 《 : x = 1575 乙

(26)

45−8=37.
45−15=30.
45−17=28.
95 : 37 = 2888 : x = 1124.8 甲
《 : 30 = 《 : x = 912. 乙
《 : 28 = 《 : x = 851.2 丙

(27)

$\frac{1}{2}$, $\frac{1}{3}$ = $\frac{3}{6}$, $\frac{2}{6}$,
3.
+2.
5 : 3 = 625 : x = 375.
《 : 2 = 《 : x = 250.

(28)

$\frac{1}{4}, \frac{5}{8}, \frac{7}{12} = \frac{6}{24}, \frac{15}{24}, \frac{14}{24},$

6.
15.
+14.
35:6=595:x=102.
〃:15= 〃 :x=255.
〃:14= 〃 :x=238.

(29)

$1\frac{5}{6}, 2\frac{1}{3}, 3 = \frac{11}{6}, \frac{14}{6}, \frac{18}{6},$

11.
14.
+18.
43:11=1806:x=462. 上
〃 :14= 〃 :x=588. 中
〃 :18= 〃 :x=756. 下

(30)

3, 4.
3, 4.
3, 4.
3×3×3=27.
4×3×3=36.
4×4×3=48.
4×4×4=+64.
175:27=875:x=135. 甲
〃 :36= 〃 :x=180. 乙
〃 :48= 〃 :x=240. 丙
〃 :64= 〃 :x=320. 丁

(31)

5, 7.
5, 7.
5, 7.
5×5×5=125.
7×5×5=175.
7×7×5=245.
7×7×7=+343.
888:125=9768:x=1375. 甲
〃 :175= 〃 :x=1925. 乙
〃 :245= 〃 :x=2695. 丙
〃 :343= 〃 :x=3773. 丁

(32)

2, 3,
4, 5,
2×4=8.
3×4=12.
3×5=+15.
35:8=105:x=24. 甲
〃:12= 〃 :x=36. 乙
〃:15= 〃 :x=45. 丙

(33)

5, 3,
8, 7,
5×8=40.
3×8=24.
3×7=+21.
85:40=187:x=88. 甲
〃 :24= 〃 :x=52.8 乙
〃 :21= 〃 :x=46.2 丙

(34)

$\frac{1}{3}, \frac{1}{5}$=5, 3.

$\frac{5}{\underset{3}{\cancel{6}}}, \frac{7}{\underset{4}{\cancel{8}}}$=20, 21,
5×20=100.
3×20= 60.
3×21=+63.
223:100=1561:x=700. 梅
〃 : 60= 〃 :x=420. 桃
〃 : 63= 〃 :x=441. 櫻

(35)

$\frac{\overset{1}{\cancel{3}}}{4}, \frac{\overset{1}{\cancel{6}}}{5}$=5, 4,
7, $\frac{11}{12}$=84, 11,
5×$\overset{21}{\cancel{84}}$=105.
$\overset{1}{\cancel{4}}$×84=84.
$\overset{1}{\cancel{4}}$×11=+11.
200:105=136:x=71.4 甲
〃 : 84= 〃 :x=57.12 乙
〃 : 11= 〃 :x=7.48 丙

(36)

25.
6.
$+5.$
$36 : 25 = 540 : \mathscr{X} = 375.$ 硫黄
《 $: 6 =$ 《 $: \mathscr{X} = 90.$ 硝石
《 $: 5 =$ 《 $: \mathscr{X} = 75$ 木炭

(37)

500.
450.
$+300.$
$1250 : 500 = 300 : \mathscr{X} = 120.$ 甲
《 $: 450 =$ 《 $: \mathscr{X} = 108.$ 乙
《 $: 300 =$ 《 $: \mathscr{X} = 72.$ 丙

(38)

1500.
1200.
$+1050.$
$3750 : 1500 = 225 : \mathscr{X} = 90.$ 甲
《 $: 1200 =$ 《 $: \mathscr{X} = 72.$ 乙
《 $: 1050 =$ 《 $: \mathscr{X} = 63.$ 丙

$3750 : 1500 = 150 : \mathscr{X} = 60.$ 甲
《 $: 1200 =$ 《 $: \mathscr{X} = 48.$ 乙
《 $: 1050 =$ 《 $: \mathscr{X} = 42.$ 丙

$3750 : 1500 = 750 : \mathscr{X} = 300.$ 甲
《 $: 1200 =$ 《 $: \mathscr{X} = 240.$ 乙
《 $: 1050 =$ 《 $: \mathscr{X} = 210.$ 丙

(39)

$2^2 = 4.$
$3^2 = 9.$
$+5^2 = 25.$
$38 : 4 = 456 : \mathscr{X} = 48.$ 甲
《 $: 9 =$ 《 $: \mathscr{X} = 108.$ 乙
《 $: 25 =$ 《 $: \mathscr{X} = 300.$ 丙

(40)

1.2
1.
$+0.8$
$3. : 1.2 = 750 : \mathscr{X} = 300$ 甲
《 $: 1. =$ 《 $: \mathscr{X} = 250$
《 $: 0.8 =$ 《 $: \mathscr{X} = 200$

(41)

1.4
1.
$+0.7$
$3.1 : 1.4 = 186 : \mathscr{X} = 84.$ 甲
《 $: 1. =$ 《 $: \mathscr{X} = 60.$ 乙
《 $: 0.7 =$ 《 $: \mathscr{X} = 42$ 丙

(42)

1.25
1.
$+0.65$
$2.9 : 1.25 = 20300 : \mathscr{X} = 8750.$ 甲
《 $: 1. =$ 《 $: \mathscr{X} = 7000.$ 乙
$: 0.65 =$ 《 $: \mathscr{X} = 4550.$ 丙

(43)

$1. = 1.$
$0.8 = 0.8$
$+0.8^2 = 0.64$
$2.44 : 1. = 976 : \mathscr{X} = 400.$ 甲
《 $: 0.8 =$ 《 $: \mathscr{X} = 320.$ 乙
《 $: 0.64 =$ 《 $: \mathscr{X} = 256.$ 丙

(44)

$1. = 1.$
$0.7 = 0.7$
$+0.7^2 = 0.49$
$2.19 : 1 = 2628 : \mathscr{X} = 1200.$ 甲
《 $: 0.7 =$ 《 $: \mathscr{X} = 840.$ 乙
《 $: 0.49 =$ 《 $: \mathscr{X} = 588.$ 丙

(45)

$1.=1.$
$1.2=1.2$
$1.2^2=1.44$
$+$
$3.64:1.=1820:x=500.$ 丙
《 $:1.2=$ 《 $:x=600.$ 乙
《 $:1.44=$ 《 $:x=720.$ 甲

(46)

$1.$
1.3
$+1.3$ $\quad 500$ $\quad -50$
$3.6:1.=450:x=125.$ 甲
《 $:1.3=$ 《 $:x=162.5$ 乙
《 $:1.3=$ 《 $:x=162.5$

$162.5+50=212.5$ 丙

(47)

$6.$
$5.$ $\quad 1045$
$+5.$ $\quad +75$
$16:6=1120:x=420.$ 甲
《 $:5=$ 《 $:x=350.$ 乙
《 $:5=$ 《 $:x=350.$

$350-75=275.$ 丙

(48)

$1.$
$1.$
$2.$
$4.$
$+8.$
$16:1=1776:x=111.$ 甲
《 $:1=$ 《 $:x=111.$ 乙
《 $:2=$ 《 $:x=222.$ 丙
《 $:4=$ 《 $:x=444.$ 丁
《 $:8=$ 《 $:x=888.$ 戊

(49)

$7.$
$+3.$
$10:7=250:x=175.$ [illegible]
《 $:3=$ 《 $:x=75.$ [illegible]

$(175+25)\div2=100.$ 甲
$(175-25)\div2=75$ 乙
$(75+25)\div2=50.$ 丙
$(75-25)\div2=25.$ 丁

(50)

$350\times5=1750.$
$430\times8=3440.$
$1500\times7=10500.$
$+$
$15690:1750=31380:x=3500.$ 甲
《 $:3440=$ 《 $:x=6880.$ 乙
《 $:10500=$ 《 $:x=21000.$ 丙

(51)

$6200.$ $\quad 388.$
$+3500.$ $\quad -500.$
$9700:6200=-388:x=248.$ 甲
《 $:3500=$ 《 $:x=140.$
$140+500=640.$ 乙

(52)

$750.$ $\quad 36$
$+600.$ $\quad -9$
$1350:750=27:x=15.$ 甲
《 $:600=$ 《 $:x=12.$ 乙

(53)

$1.$ $\quad 100.8\times0.2=20.16$
$3.$ $\quad 100.8$
$+3.$ $\quad -20.16$
$7:1=80.64:x=11.52$
《 $:3=$ 《 $:x=34.56$ 乙
《 $:3=$ 《 $:x=34.56$ 丙

$11.52+20.16=31.68$ 甲

新文數學[illegible]按分 四十八

(54)

500
+250.
750:500=150:$\mathcal{X}$=100.
100.
+50.
« :250= « :$\mathcal{X}$= 50. 乙
100-50=50. 甲

(55)

3.
5.
+7.
15:3=300:$\mathcal{X}$= 60.
225.
+75.
« :5= « :$\mathcal{X}$=100.
« :7= « :$\mathcal{X}$=140.

(56) 75-60=15. 甲

100×12=1200
80× 7=560.
1760:1200=110:$\mathcal{X}$=75. 甲
« :560=« :$\mathcal{X}$=35. 乙

(57)

560×(3+4)=3920.
450×4 =1800.
5720:3920=143:$\mathcal{X}$=98. 乙
« :1800= « :$\mathcal{X}$=45. 甲

(58)

5000×15 =75000.
2500×(15-6)=22500.
97500:75000=390:$\mathcal{X}$=300. 甲
« :22500= « :$\mathcal{X}$= 90. 乙

(59)

200×12 =2400.
315×(12-3)=2835.
100×(12-3-5)=400.
5635
5635:2400=28175:$\mathcal{X}$=12000. 甲
« :2835= « :$\mathcal{X}$=14175. 乙
« : 400= « :$\mathcal{X}$= 2000. 丙

(60)

150×(5+5+15)=3750.
120×(5+15) =2400.
250×15 =3750.
9900.
9900:3750=396:$\mathcal{X}$=150. 甲
« :2400= « :$\mathcal{X}$= 96. 乙
« :3750= « :$\mathcal{X}$=150. 丙

(61)

500×4+(500+250)×(15-4)=10250
300×7+(300-150)×(15-7)=3300
13550
13550:10250=40650:$\mathcal{X}$=30750 甲
« : 3300= « :$\mathcal{X}$= 9900. 乙

(62)

2500×3+(2500+2000)×(18-3)=75000.
1800×5+(1800+500)×(18-5)=38900.
1200×18 =21600.
135500.
135500:75000=542:$\mathcal{X}$=300. 甲
« :38900= « :$\mathcal{X}$=155.6 乙
« :21600= « :$\mathcal{X}$= 86.4 丙

(63)

147÷7=21.
120÷5=24.
45:21=1350:$\mathcal{X}$=630. 甲
« :24= « :$\mathcal{X}$=720. 乙

(64)

15
+12.
27:15=4.里 16,町 12.間:$\mathcal{X}$=2.里 17,町 甲
« :12= « :$\mathcal{X}$=1, 35. 12. 間 乙

(65)

$12\times7\times5=420$

$9\times6\times4=216.$

$8\times5\times3=120.$

$756.$

$756:420=378:x=210.$ 大槽

〃 $:216=$ 〃 $:x=108.$ 中槽

〃 $:120=$ 〃 $:x=60.$ 小槽

(66)

$4000\times\frac{3}{32}=375.$

$1.$
$2.$
$+2.$
$5:1=3625:x=725.$

$4000.$
$-375.$
3625

〃 $:2=$ 〃 $:x=1450.$ 甲

〃 $:2=$ 〃 $:x=1450.$ 乙

$725+375=1100.$ 丙

(67)

$2\times36+12=84.$

$1\times36+24=60.$

$144:84=18:x=10.5$ 甲

〃 $:60=$ 〃 $:x=7.5$ 乙

(68)

$12\times7=84.$

$8\times5=40.$

$124:84=1550:x=1050.$ 大

〃 $:40=$ 〃 $:x=500.$ 小

(69)

$2.\ 5.$

$3.\ 4.$

$6.\ 7.$

$2\times3\times6=36.$

$5\times3\times6=90.$

$5\times4\times6=120.$

$5\times4\times7=140.$

$386:36=193:x=18.$ 甲

〃 $:90=$ 〃 $:x=45.$ 乙

〃 $:120=$ 〃 $:x=60.$ 丙

〃 $:140=$ 〃 $:x=70.$ 丁

(70)

$3.\ 8.$

$2.\ 3$

$11.\ 7.$

$3\times2\times11=33.$

$8\times2\times11=88.$

4 $\cancel{8}\times3\times11=132.$

4 $\cancel{8}\times3\times7=84.$

$337.$

$337:33=40440:x=3960.$ 甲

〃 $:88=$ 〃 $:x=10560.$ 乙

〃 $:132=$ 〃 $:x=15840.$ 丙

〃 $:84=$ 〃 $:x=10080.$ 丁

(71)

$1.$

$\frac{8}{9}$

$\frac{8}{9}\times\frac{3}{4}=\frac{2}{3}$

$\frac{2}{3}\div\frac{3}{5}=\frac{2}{3}\times\frac{5}{3}=\frac{10}{9}$

$1,\ \frac{8}{9},\ \frac{2}{3},\ \frac{10}{9},$

$\frac{9}{9},\ \frac{8}{9},\ \frac{6}{9},\ \frac{10}{9},$

$9.$
$8.$
$6.$
$+10.$

$33:9=5940:x=1620.$ 甲

〃 $:8=$ 〃 $:x=1440.$ 乙

〃 $:6=$ 〃 $:x=1080.$ 丙

〃 $:10=$ 〃 $:x=1800.$ 丁

(72)

$3.\ 2.$

$4.\ 5.$

$3\times4=12.$

$2\times4=8.$

$2\times5=10.$

$30:12=1680:x=672.$ 歩

$\text{«}:8=\text{«}:x=448.$ 騎

$\text{«}:10=\text{«}:x=560.$ 砲

(73)

$7.\ 5.$

$3.\ 8.$

$7\times3=21.$

$5\times3=15.$

$5\times8=40.$

$76:21=380:x=105.$ 甲

$\text{«}:15=\text{«}:x=75.$ 乙

$\text{«}:40=\text{«}:x=200.$ 丙

41

(74)

$2.\ 5.$

$4.\ 3.$

$2\times4=8.$

$5\times4=20.$

$5\times3=15.$

$43:8=129:x=24.$ 甲

$\text{«}:20=\text{«}:x=60.$ 乙

$\text{«}:15=\text{«}:x=45.$ 丙

(75)

$3\times12+4=40.$

$3\times12=36.$

$2\times12+6=30.$

$106.$

$106:40=371:x=140.$ 甲

$\text{«}:36=\text{«}:x=126.$ 乙

$\text{«}:30=\text{«}:x=105.$ 丙

(76)

$800.$

$500.$

$450.$

$400.$

$+350.$

$2500:800=12500:x=4000.$ 本城

$\text{«}:500=\text{«}:x=2500.$ 東

$\text{«}:450=\text{«}:x=2250.$ 西

$\text{«}:400=\text{«}:x=2000.$ 南

$\text{«}:350=\text{«}:x=1750.$ 北

$2500:800=750:x=240.$ 本城

$\text{«}:500=\text{«}:x=150.$ 東

$\text{«}:450=\text{«}:x=135.$ 西

$\text{«}:400=\text{«}:x=120.$ 南

$\text{«}:350=\text{«}:x=105.$ 北

(77)

$175.\qquad 5000.$

$+125.\qquad -1844.$

$300:175=3156:x=1841.$ 甲

$\text{«}:125=\text{«}:x=1315.$ 乙

(78)

$5\times15=75.$

$3\times13=39.$

$2\times7=14.$

$128:5=896:x=35.$ 男

$\text{«}:3=\text{«}:x=21.$ 女

$\text{«}:2=\text{«}:x=14.$ 童

(79)

$75\times5=375.$

$60\times6=360.$

$45\times7=315.$

$1050:75=2100:x=150.$ 上等

$\text{«}:60=\text{«}:x=120.$ 中等

$\text{«}:45=\text{«}:x=90.$ 下等

(80)

5×45=225.
3×32=96.
2×28=56.
377.

377:5=1508:x=20. 男
《 :3= 《 :x=12. 女
《 :2= 《 :x=8. 童

(81)

7×23×15=2415.
5×32×18=2880.
3×21×14=882.
6177.

6177:7=55593:x=63. 大牛
《 :5= 《 :x=45. 中牛
《 :3= 《 :x=27. 小牛

(82)

150×8=1200.
120×7=840.
360:1200=720:x=2400 甲
《 : 840= 《 :x=1680 乙

(83)

10.
+7.
17:10=63750:x=37500.
《 : 7= 《 :x=26250.

37500÷1250=30. 上米
26250÷1050=25. 下米

(84)

1+0.15×3=1.45
1+0.12×3=1.36
2.81

2.81:0.45=1405:x=225. 甲
《 :0.36= 《 :x=180. 乙

(85)

7. 3.
11. 13.
17. 14.

7×11×17=1309.
3×11×17=561.
3×13×17=663.
3×13×14=546.

1309.
−546.
768:1809=8052:x=5286. 甲
《 :561= 《 :x=2244. 乙
《 :663= 《 :x=2652. 丙
《 :546= 《 :x=2184. 丁

(86)

41.
+48.
89:41=267:x=123.
《 :48= 《 :x=144.

25.
+16.
41:25=123:x=75. 甲
《 :16= 《 :x=48. 丁

4.
+5.
9:4=144:x=64. 乙
《 :5= 《 :x=80. 丙

(87)

20×50 =1000.
80×30 =2400.
100×(150−50−80)=7000.
10400.

10400:20=52000:x=100. 甲
《 :80= 《 :x=400. 乙
《 :100= 《 :x=500. 丙

(88)

$\frac{1}{2},\ \frac{1}{4},\ \frac{1}{7}=\frac{14}{28},\ \frac{7}{28},\ \frac{4}{28}.$

$14.$
$7.$
$+4.$
$25:14=550:\mathcal{X}=308.$ 甲
$《:7=《:\mathcal{X}=154.$ 乙
$《:4=《:\mathcal{X}=88.$ 丙

(89)

$\frac{1}{0.2},\ \frac{1}{0.25}=5.\ 4.$

$5.$
$+4.$
$9:5=405:\mathcal{X}=225.$ 甲
$《:4=《:\mathcal{X}=180.$ 乙

(90)

$5^2\times 30=750.$
$6^2\times 20=720.$
$+\ 1470:5^2=4410:\mathcal{X}=75.$ [illegible]
$:6^2=\quad:\mathcal{X}=108.$ [illegible]

(91)

$\{3000-(500+1500)\}:2=500.$ 丁

$1500.\qquad 3000.$
$+500.\qquad -500.$
$2000:1500=2500:\mathcal{X}=1875.$ [illegible]
$《:500=《:\mathcal{X}=625.$ [illegible]

(92)

$\frac{1}{4},\ \frac{1}{5},\ \frac{1}{6}=\frac{15}{60},\ \frac{12}{60},\ \frac{10}{60}$

$15.$
$12.$
$+10.$
$37:15=888:\mathcal{X}=360.$ 甲
$《:12=《:\mathcal{X}=288.$ 乙
$《:10=《:\mathcal{X}=240.$ 丙

(93)

$\frac{1}{36},\ \frac{1}{42},\ \frac{1}{56}=\frac{14}{504},\ \frac{12}{504},\ \frac{9}{504}.$

$14.$
$12.$
$+\ 9.$
$35:14=735:\mathcal{X}=294.$ 一孔
$《:12=《:\mathcal{X}=252.$ 二孔
$《:9=《:\mathcal{X}=189.$ 三孔

(94)

$\frac{1}{9}\times 36=4.$

$\frac{1}{32}\times 96=3.$
$+\ 7:\frac{1}{9}=12096:\mathcal{X}=192.$ 稲

$《:\frac{1}{32}=《:\mathcal{X}=54.$ 布

(95)

豆 $\frac{5}{2},$ 米 $9\times 4=5,\ 72.$

米 $56\times 5,\ \frac{85}{9}=504,\ 17.$ 17米

$5\times 504=2520.$
$72\times 504=36288.$
$72\times 17=1224.$
$+\ 40032.$

$40032:2520=8340:\mathcal{X}=525.$ 豆
$《:36288=《:\mathcal{X}=7560.$ 米
$《:1224=《:\mathcal{X}=255.$ 麦

(96)

$24^2\times 35=20160.$
$20^2\times 15=6000.$
$+\ 26160.$

$26160:20160=1308:\mathcal{X}=1008.$ 甲
$《:6000=《:\mathcal{X}=300.$ 乙

(97)

12.
8.
+2.
22 : 12 = 1430 : x = 780.
《 : 8 = 《 : x = 520.
《 : 2 = 《 : x = 130.
780÷12 = 65.大豆
520÷8 = 65.糀
130÷2×2 = 32.5塩

(98)

$\frac{5}{2\times36+12}=\frac{5}{84}=\frac{25}{420}$

$\frac{4}{1\times36+24}=\frac{4}{60}=\frac{28}{420}$

25.
+28.
53 : 25 = 2544 : x = 1200.甲
《 : 28 = 《 : x = 1344.乙

(99)

(975−780)÷5 = 39.毎1ヶ月利
39÷780 = 0.05
261÷0.05×9 = 580.ノ元金
(840−600)÷600×0.05 = 8.[illegible]

(100)

(600 480)÷6 = 20.毎1ヶ月利
20÷480 = $\frac{1}{24}$
1200÷(1+$\frac{1}{24}$×12) = 800.ノ元金
(520−320)÷320×$\frac{1}{24}$ = 15.[illegible]

損益算

(1) 1824−1520=304.
(2) 16550−13875=2675.
(3) 365×0.2=73.
(4) 375×0.25=93.75
(5) 48×0.015=0.72
(6) 112.5×0.15=16.875
(7) 756×0.125=94.5
(8) 35×450×0.15=236.25
(9) 3560×(1+0.2)=4272.
(10) 35×(1+0.12)=39.2
(11) 125×(1−0.25)=93.75
(12) 3550×(1−0.12)=3124.
(13) 258×(1+0.25)÷215=1.5
(14) {(23+27)÷2}×(1+0.12)=28.
(15) (155−125)÷125=0.24
(16) (700−625)÷625=0.12
(17) (5600 4928)÷5600=0.12
(18) (35 28)÷35=0.2
(19) (360 270)÷360=0.25
(20) (5600−5040)÷5600=0.1

(21) (1[illegible]×21−300)÷300=0.05

(22) (4071−236×15)÷236×15=0.15

(23) (53+124)×100−(53×150+
124×75)=450.

(24) (180÷12−12.5)÷12.5=0.2

(25) (1×10−8.75)÷1×10=0.125

(26) 16:1=100:x=6.25
(7.5−6.25)÷6.25=0.2

(27) 100:76.5=4.2:x=3.213
(3.213−3)÷3=0.071

(28) 3:215=18:x=1290.
1290−18×68=66.

(29) (350×2−630)÷630=0.111+

(30) 35×7.5÷(35−5)=87.5

(31) (27×3.5−84)÷84=0.125

(32) 37.5+95÷38=40.

(33) 25−255÷102=22.5

(34) 167.5×(1−0.25)=125.625

(35) 2295÷8.5−2295÷9=15.

(36) 100:12.5=125×35:x=546.875
546.875−125×4=46.875

(37) 360÷(1+0.2)=300.
360÷(1−0.1)=400.

(38) 4200÷(1−0.16)=5000
4200÷(1+0.2)=3500.

(39) {5220÷(1+0.16)}×(1+0.2)=54

(40) {93750÷(1+0.25)}(1+0.3)=975.

(41) {390÷(1+0.2)}(1+0.25)=406.25

(42) {60÷(1−0.2)}(1+0.1)=82.5

(43) {1020÷(1−0.15)}(1+0.12)=13.44

(44) {220÷(1−0.12)}(1−0.1)=225.

(45) {562.5÷(1−0.25)}(1−0.08)=690.

(46) {297.5÷(1−0.15)}(1+0.25)=437.5

(47) {100÷(1−0.2)}(1−0.15)=10[illegible]25

(48) 125×{1−(1−0.12)(1−0.08)}=23.8

(49) 92×{(1+0.13)(1+0.15)−1}=27.554

(50) 35×{1−(1+0.11)(1−0.15)}=1.9775

(51) $75\times(1-0.25)=5\overset{\text{樽}}{6}.25$
$0.25\times38=\overset{\text{升}}{9}.5$

(52) $75\times(1-0.25)=5\overset{\text{内}}{6}.25$
$75\div(1+0.25)=6\overset{\text{外}}{0}.$

$$(53)\left\{\begin{array}{l}705\times(1+0.25)\times0.23-705\times0.23\\ \qquad\qquad=0.372945\end{array}\right.$$

$$(54)\left\{\begin{array}{l}(35\div2)\div(1+0.12)=15.625\\ (35\div2)\times(1-0.12)=15.4\\ 15.625-15.4=0.225\end{array}\right.$$

$(55)\ \{36\div(0.2-0.15)\}\times2=1440.$

$$(56)\left\{\begin{array}{l}100-5:100=19:x=20.\\ (21-20)\div20=0.05\end{array}\right.$$

$(57)\ (250\div4-50)\div50=0.25$

$(58)\ \{(25+30)\div2\}(1+0.12)=30.8$

$(59)\ 340\div136+25=2.75$

$(60)\ 85+2625\div35=92.5$

$(61)\ 0.5\div(1875\div750)=0.2$

$$(62)\left\{\begin{array}{l}10:25=350:x=875.\\ 5000-(875+350)\times3=1325.\end{array}\right.$$

$(63)\ \{48\times56\div(48-6)\}(1+0.12)=71.68$

$$(64)\left\{\begin{array}{l}750-(450+135)=165.\\ (450+135)\times0.15\times2=175.5\\ 175.5-165=10.5\end{array}\right.$$

$(65)\ 45\times(1+0.2)\times(1+0.1)=59.4$

$$(66)\left\{\begin{array}{l}(50\times20\div12-65)=18.33+\\ 18.33\div65=0.282+\end{array}\right.$$

$$(67)\left\{\begin{array}{l}48\times0.9-36=7.2\\ 7.2\div36=0.2\end{array}\right.$$

$$(68)\left\{\begin{array}{l}1000:85=100:x=8.5\\ 100:(9.5-8.5)=13\times25000:x\\ \qquad\qquad=3250\end{array}\right.$$

$(69)\ 36\times42\div9-36\times4.2=16.8$

$$(70)\left\{\begin{array}{l}8:25=48\times27:x=4050.\\ 4050-48\times27\times2.5=810.\end{array}\right.$$

$(71)\ (28\times14-350)\times15=630.$

$$(72)\left\{\begin{array}{l}365:850=73:x=170.\\ 200-170=30.\end{array}\right.$$

$(73)\ (37.5\times35-1200)\times32=3600.$

$$(74)\left\{\begin{array}{l}12:0.18=125\times50\times8:x=750\\ (63-50)\times125-750=875.\end{array}\right.$$

$$(75)\ 1125\div\{345\div(1+0.15)\}\times0.15=\\ \qquad 25.$$

$(76)\ (568\times35\div2)(0.18-0.15)=298.2$

$$(77)\left\{\begin{array}{l}360\times350\times\frac{1}{3}\times0.2=8400.\\ 360\times350\times(1-\frac{1}{3})\times0.13=10920.\\ 10920-8400=2520.\end{array}\right.$$

(78) $(27$[illegible]$25)\times120=240.$

$(15$[illegible]$-120)\times25\times0.12=108.$

$240-108=132.$

(79) $126\times500\div(126-21)+6=606.$

(80) $5\times12-350\times0.15=7.5$

(81) $28\times13.5\times0.12\times3=13.608$

$35:5.25=100:x=15.$

$(15-13.5)\times28-13.608=28.392$

(82) $72\times7\times0.12\times4\div12=20.16$

$(7.5-7)\times72-20.16=15.84$

(83) $(1+0.12)(1-0.2)=0.896$

$(1-0.15)(1+0.18)=1.003$

$(1.003-0.896)\times1500=160.5$

(84) $100:12.5=730\times35:x=3193.75$

$730\times35\div7-3193.75=456.25$

(85) $100\times15\times0.07\div2=52.5$

$15\times3+52.5=97.5$

(86) $225\times2\times15=675.$

$\{225\times2-(82+125)\}\times5=1215.$

$(1215-675)\div675\times4=0.2$

(87) $(25-18.5)\times300=1950$

$(535-300)\times25\times0.2=1175.$

$1950-1175=775.$

(88) $\{13275\div(1+0.18)\}\div450=25.$

(89) $(320\times5.2+13+150)\div320\times0.35=16.3125$

(90) $125\times2:1750=65:x=455.$

$(1750-455)(1+0.2)=1544.$

(91) $7.5:1=115\times42:x=644.$

$644-115\times5.25=40.25$

(92) $(840\div3.5+5.7)(1+0.2)=$[illegible]4.84

$294.84\div840=35.1$

(93) $125\times24\times(1+0.2)\div125($[illegible]$=30.$

(94) $375\times(1+0.08)\div(375\div1.5-25)=1.8$

(95) $12:0.3=125\times16\times3:x=150.$

$125\times16\times(1+0.2)+150=2550.$

(96) $(10000-340)\div15-350=294.$

$294\div350\times7=0.12$

(97) $\{325\times75\times(1+0.2)-150\times82.5\}\div(325-150)=96.428+$

(98) $5:[illegible]=1895:x=6064.$

$18[illegible]5\times35\div(6064+1216)=9.11+$

(99) $(120\times25\div24)-120=5.$

(100) $\{(32125-400)\div0.3\}\div375=25.$

平均算

(1) $(24+30)\div2=27.$

(2) $(45+57+60)\div3=54.$

(3) $(158+142+240)\div3=180.$

(4)

2535.
2012.
2218.
1850.
1948.
+1725.
6)12288.
2048.

(5)

70.
72.5
75.
78.
80.
72.
+81.
7)528.5
75.5

(6)

4. 15.
3. 10.
+5. 29.
12.)54.
4.5

(7)

1.5 4.
2.3 4.3
+1.6 2.5
5.4)10.8
2.

(8)

1. 3.
2.3 5.
+2.7 7.
6.0)15.
2.5

(9)

$25\times3=75.$
$27\times2=54.$
5)129.
25.8

(10)

$540\times3=1620.$
$480\times5=2400.$
8.)4020.
502.5

(11)

$350\times325=113750.$
$725\times+50=36250.$
375.)150000.
400.

(12)

$750\times870=652500.$
$1250\times290=362500.$
1160)1015000.
875.

(13)

$250\times63=15750.$
$375\times72=27000.$
$75\times150=11250.$
285.)54000.
$189\frac{9}{19}$

(14)

$40\times2=80.$
$36\times3=108.$
$20\times5=100.$
10.)288.
28.8

(15)
15×14=210.
16× 3= 48.
18× 3=+54.
20.)312.
15.6

(16)
25×3=75.
28×5=140.
0×2=+ 0.
10.)215.
21.5

(17)
30×4=120.
27×7=189.
25×3= 75.
0×2=+ 0.
16.)384.
24.

(18)
50× 2=100.
30×12=360.
25×22=550.
20×28=560.
10× 8= 80.
0× 3=+ 0.
75.)1650.
22.

(19)
56. 3.
23. 4.
+10. 2.
89. 9.|6
+1. -6.
3)90. 3.
30. 1.

(20)
1.5 25.
1.0 25.
+0.5 25.
3.)75.
25.

(21)
150×0.025=3.75
350×0.03 =+10.5
500.)14.25
0.0285

(22)
100×0.028=2.8
200×0.025=5.
450×0.03 =+13.5
750.)21.3
0.0284

(23)
25×2=50.
50×3=150.
100.)200.
2.

(24)
150×5=750.
250×9=2250
400)3000.
7.5

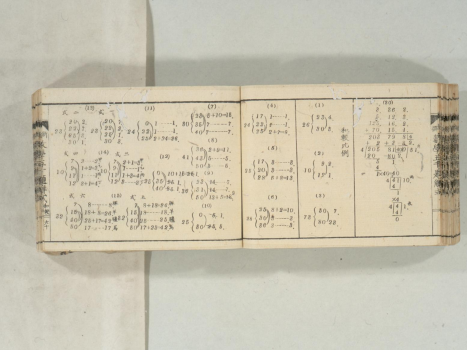
(25)
200×3=600
300×5=1500.
500.)2100.
$4\frac{1}{5}$

(26)
[illegible]× 25=1250.
[illegible]5× 40=1000.
40× 60=2400.
100× 80=8000.
30×150=4500.
245.)17150.
70.

(27)
8. 25.
12. 12.
10. 28.
9. 17.
+5. 0.
44. 82.|36
+2 -72. 2.
5)46. 10.
9. 9. 12.
里 町 間

(28)
6. 15.
5. 16.
8. 25.
15. 7.
+10. 12.
44 75|30
+2. -60. 2.
5|46 15|9.[illegible]
45
1×30=30
5|45|9.[illegible]
45
0

(29)
45. 18. 20.
84. 41. 15.
50. 0. 25.
179. 59. 60.|60
+1. +1. -60. 1.
3)180. 60|60.0.
60度 60 1.
0



(30)

```
      3.   36.  2.
      5.   12.  3.
    125.   16.  2.
  + 70.    15.  1.
  ─────────────────
    203    79   8|4
  +   2  + 2   -8 2.
 4|205     81|40|0| 51.斤
  |20     -80  2.
      5     1.
      4
     1×40=40
       4|41| 10.两
        |4 |
          1
         ×4
       4|4| 1.錢
        |4|
         0
```

和較比例

(1)

$$26\left\{\begin{array}{r}23\\30\end{array}\right)\begin{array}{l}4.\\3.\end{array}$$

(2)

$$10\left\{\begin{array}{r}9\\12\end{array}\right)\begin{array}{l}2.\\1.\end{array}$$

(3)

$$73\left\{\begin{array}{r}50\\80\end{array}\right)\begin{array}{l}7.\\23.\end{array}$$

(4)

$$24\left\{\begin{array}{r}17\\22\\25\end{array}\right)\begin{array}{l}1\text{-----}1.\\1\text{-----}1.\\2+7=9.\end{array}$$

(5)

$$25\left\{\begin{array}{r}17\\20\\28\end{array}\right)\begin{array}{l}3\text{------}3.\\3\text{-----}3.\\5+8=13.\end{array}$$

(6)

$$28\left\{\begin{array}{r}25\\30\\36\end{array}\right)\begin{array}{l}8+2=10.\\3\text{------}3.\\3\text{-----}3.\end{array}$$

(7)

$$30\left\{\begin{array}{r}23\\35\\40\end{array}\right)\begin{array}{l}5+10=15.\\7\text{-----}7.\\7\text{-------}7.\end{array}$$

(8)

$$41\left\{\begin{array}{r}36\\43\\50\end{array}\right)\begin{array}{l}2+9=11.\\5\text{-----}5.\\5\text{-----}5.\end{array}$$

(9)

$$36\left\{\begin{array}{r}23\\31\\50\end{array}\right)\begin{array}{l}\cancel{14}\text{-----}7.\\\cancel{14}\text{-----}7.\\13+5=\overset{9}{\cancel{18}}.\end{array}$$

(10)

$$25\left\{\begin{array}{r}0\\30\end{array}\right)\begin{array}{l}\cancel{5}.\ 1.\\\cancel{25}.\ 5.\end{array}$$

(11)

$$24\left\{\begin{array}{r}0\\22\\25\end{array}\right)\begin{array}{l}1\text{-----}1.\\1\text{------}1.\\2+24=26.\end{array}$$

(12)

$$25\left\{\begin{array}{r}0\\35\\40\end{array}\right)\begin{array}{l}10+15=\cancel{25}.\ 1.\\\cancel{25}\ 1.\\\cancel{25}\ 1.\end{array}$$

(13)

式一

$$23\left\{\begin{array}{r}20\\22\\25\\30\end{array}\right)\begin{array}{l}7.\\2.\\1.\\3.\end{array}$$

式二

$$23\left\{\begin{array}{r}20\\22\\25\\30\end{array}\right)\begin{array}{l}2.\\7.\\3.\\1.\end{array}$$

(14)

式三

$$10\left\{\begin{array}{r}7\\9\\11\\12\end{array}\right)\begin{array}{l}2+1=3.\text{甲}\\1\text{----}1.\text{乙}\\1+3=4.\text{丙}\\3\text{----}3.\text{丁}\end{array}$$

式四

$$10\left\{\begin{array}{r}7\\9\\11\\12\end{array}\right)\begin{array}{l}2\text{----}2.\text{甲}\\1+2=3.\text{乙}\\1\text{----}1.\text{丙}\\3+1=4.\text{丁}\end{array}$$

(15)

式五

$$32\left\{\begin{array}{r}7\\15\\40\\50\end{array}\right)\begin{array}{l}8+18=26.\text{豚}\\18\text{-----}18.\text{羊}\\25\text{----}25.\text{驢}\\17+25=42.\text{馬}\end{array}$$

式六

$$32\left\{\begin{array}{r}7\\15\\40\\50\end{array}\right)\begin{array}{l}8\text{------}8.\text{豚}\\18+8=26.\text{羊}\\25+17=42.\text{驢}\\17\text{----}17.\text{馬}\end{array}$$

(16)
式七

18 { 14, 16, 21, 23 }
5+3=8. 4. 甲
3+5=8. 4. 乙
2+4=6. 3. 丙
4+2=6. 3. 丁

(17)
式一

550 { 421, 512, 575, 600 }
50.
25.
38.
129.

式三

550 { 421, 512, 575, 600 }
50+25=75.
25-----25.
38+129=167.
129-----129.

(18)
式二

6 { 4, 5, 7, 8 }
1. 柿
2. 桃
2. 林
1. 梨

式四

6 { 4, 5, 7, 8 }
2----2. 柿
1+2=3. 桃
1----1. 林
2+1=3. 梨

式四

6 { 4, 5, 7, 8 }
~~2~~1----1. 柿
1+2=3. 桃
1----1. 林
~~2~~1+1=2. 梨

(19)
式五

9 { 7, 8, 10, 11 }
1+2=3.
2-----2.
2-----2.
1+2=3.

式七

9 { 7, 8, 10, 11 }
1+2=3. 1.
2+1=3. 1.
2+1=3. 1.
1+2=3. 1.

(20)
式二

33 { 28, 32, 35, 40 }
2.
7.
5.
1.

式三

33 { 28, 32, 35, 40 }
7+2=9.
2----2.
1+5=6.
5----5.

(21)
式一

41 { 35, 40, 42, 50 }
~~2~~3.
1.
1.
~~6~~2.

式六

41 { 35, 40, 42, 50 }
1-----1.
9+1=10.
6+1=7.
1-----1.

(22)
式四

77 { 50, 76, 87, 100 }
23-----23.
10+23=33.
1------1.
27+ 1=28.

式七

77 { 50, 76, 87, 100 }
10+23=33.
23+10=33.
27+ 1=28.
1+27=28.

(23)
式一

225 { 180, 200, 236, 259 }
34.
11.
25.
45.

式五

225 { 180, 200, 236, 259 }
11+34=45.
34-----34.
45-----45.
25+45=70.

(24)
式三

350 { 225, 333, 365, 378 }
28+ 15=43. 麥
15-------15. 大豆
17+125=142. 小豆
125-----125. 米

式七

350 { 225, 333, 365, 378 }
28+ 15= 43. 麥
15+ 28= 43. 大豆
17+125=142. 小豆
125+ 17=142. 米

(25)

式二

$$20\left\{\begin{array}{l}0\\18\\23\\27\end{array}\right. \begin{array}{r}3.\\7.\\20.\\2.\end{array}$$

式四

$$20\left\{\begin{array}{l}0\\18\\23\\27\end{array}\right. \begin{array}{l}7\text{------}7.\\3+7=10.\\2\text{------}2.\\20+2=22.\end{array}$$

(26)

$$47\left\{\begin{array}{l}30\\33\\37\\50\end{array}\right. \begin{array}{l}3\text{--------}3.\\3\text{--------}3.\\3\text{--------}3.\\10+14+17=41.\end{array}$$

(27)

$$43\left\{\begin{array}{l}35\\40\\42\\50\end{array}\right. \begin{array}{l}7\text{-------}7.\\7\text{-------}7.\\7\text{-------}7.\\1+3+8=12.\end{array}$$

(28)

$$13\left\{\begin{array}{l}12\\18\\20\\23\end{array}\right. \begin{array}{l}5+7+10=22.\\1\text{-------}1.\\1\text{-------}1.\\\text{------}1.\end{array}$$

(29)

$$50\left\{\begin{array}{l}41\\54\\64\\70\end{array}\right. \begin{array}{l}4+14+20=38.\\9\text{-------}9.\\9\text{-------}9.\\9\text{-------}9.\end{array}$$

(30)

$$19\left\{\begin{array}{l}0\\20\\25\\30\end{array}\right. \begin{array}{l}1+6+11=18.\\19\text{------}19.\\19\text{------}19.\\19\text{------}19\end{array}$$

(31)

$$30\tfrac{1}{2}\left\{\begin{array}{l}27.\\35.\end{array}\right. \quad 61\left\{\begin{array}{l}54\\70\end{array}\right. \begin{array}{l}9.\\7.\end{array}$$

(32)

$$20\tfrac{1}{3}\left\{\begin{array}{l}18.\\22.\\24.\end{array}\right. \quad 61\left\{\begin{array}{l}54\\66\\72\end{array}\right. \begin{array}{l}5+11=16.\\7.\\7.\end{array}$$

(33)

$$95\tfrac{1}{4}\left\{\begin{array}{l}75.\\84.\\110.\end{array}\right. \quad 381\left\{\begin{array}{l}300\\336\\440\end{array}\right. \begin{array}{l}59\text{------}59\\59\text{------}59\\45+81=126\end{array}$$

(34)

$$\frac{363}{5}\left\{\begin{array}{l}50.\\75.\\100.\end{array}\right. \quad 366\left\{\begin{array}{l}250\\375\\500\end{array}\right. \begin{array}{l}12+137=149.\\118\text{----}118.\\118\text{----}118.\end{array}$$

(35)

$$\frac{25}{8}\left\{\begin{array}{l}3.\\4.\\5.\end{array}\right. \quad 25\left\{\begin{array}{l}24\\32\\40\end{array}\right. \begin{array}{l}7+15=22.\\1\text{-----}1.\\1\text{-----}1\end{array}$$

(36)

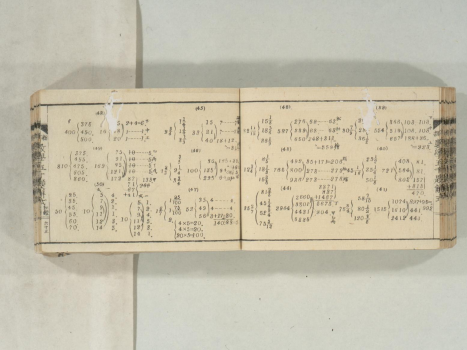
$$\frac{31}{2}\left\{\begin{array}{l}14\\15\\\frac{53}{3}\end{array}\right. \quad 93\left\{\begin{array}{l}84\\90\\106\end{array}\right. \begin{array}{l}15\text{---}18.\\18\text{---}18.\\3+9=12\end{array}$$

(37)

$$20\tfrac{1}{4}\left\{\begin{array}{l}18.\\21\tfrac{1}{2}\\29.\end{array}\right. \quad 81\left\{\begin{array}{l}72\\86\\116\end{array}\right. \begin{array}{l}5+35=40.\\9\text{-----}9.\\9\text{-----}9.\end{array}$$

(38)

$$21\tfrac{1}{2}\left\{\begin{array}{l}17\tfrac{1}{6}\\23.\\30\tfrac{2}{3}\end{array}\right. \quad 129\left\{\begin{array}{l}103\\188\\184\end{array}\right. \begin{array}{l}9+55=64\text{童}\\\cancel{26.}\ 13.\ \text{女}32.\\\cancel{26.}\ 13\text{男}\end{array}$$



(89)

$$30\frac{7}{9}\left\{\begin{array}{l}2\\28\\36\frac{1}{2}\end{array}\right.\quad 554\left\{\begin{array}{l}368\\519\\657\end{array}\right)\begin{array}{l}103.\ 103.\text{下}\\108.\ 103.\text{中}\\188+35\\=223.\text{上}\end{array}$$

(40)

$$45\frac{1}{18}\left\{\begin{array}{l}25\frac{1}{2}\\35\frac{1}{4}\\50\frac{1}{8}\end{array}\right.\quad 721\left\{\begin{array}{l}408\\564\\802\end{array}\right)\begin{array}{r}81.\\81.\\157\\+313\\\hline 470.\end{array}$$

(41)

$$75\frac{3}{4}\left\{\begin{array}{l}58\frac{7}{10}\\80\frac{1}{2}\\120\frac{3}{5}\end{array}\right.\quad 1515\left\{\begin{array}{l}1074\\1610\\2412\end{array}\right)\begin{array}{l}897+95=992\\441.\\441.\end{array}$$

(42)

$$82\frac{11}{18}\left\{\begin{array}{l}15\frac{1}{3}\\18\frac{5}{6}\\36\frac{1}{9}\end{array}\right.\quad 587\left\{\begin{array}{l}276\\339\\650\end{array}\right)\begin{array}{l}63\text{----}63.\text{松}\\63\text{--}63.\text{杉}\\248+311\\=559.\text{檜}\end{array}$$

(48)

$$12\frac{3}{4}\left\{\begin{array}{l}8\frac{1}{5}\\13\frac{1}{3}\\15\frac{3}{5}\end{array}\right.\quad 765\left\{\begin{array}{l}492\\800\\936\end{array}\right)\begin{array}{l}35+171=206.\text{絹}\\273\text{-----}273.\text{紬}\\273\text{-----}273.\text{綿}\end{array}$$

(44)

$$85\frac{2}{7}\left\{\begin{array}{l}81\frac{2}{3}\\45\frac{1}{4}\\52\frac{3}{4}\\75\frac{5}{12}\end{array}\right.\quad 2964\left\{\begin{array}{l}2660\\3801\\4431\\6385\end{array}\right)\begin{array}{r}3371\\837\\+1467\\\hline 5675.\text{丁}\\804.\text{甲乙丙}\end{array}$$

---

(45)

$$2\frac{3}{4}\left\{\begin{array}{l}1\frac{1}{4}\\1\frac{3}{4}\\3\frac{1}{3}\end{array}\right.\quad 33\left\{\begin{array}{l}15\\21\\40\end{array}\right)\begin{array}{l}7\text{----}7\\7\text{----}7\\18+12\\=30\end{array}$$

(46)

$$1\frac{2}{3}\left\{\begin{array}{l}\frac{3}{5}\\2\frac{1}{4}\\3\frac{3}{4}\end{array}\right.\quad 100\left\{\begin{array}{l}36\\135\\225\end{array}\right)\begin{array}{l}125+35.\\=160\\64.36\ 5\\64.21\end{array}$$

(47)

$$1\frac{6}{7}\left\{\begin{array}{l}1\frac{25}{100}\\1\frac{75}{100}\\2.\end{array}\right.\quad 52\left\{\begin{array}{l}35\\49\\56\end{array}\right)\begin{array}{l}4\text{----}4.\\4\text{----}4.\\3+17=20.\\\hline 140:28=5\end{array}$$

$$\left\{\begin{array}{l}4\times5=20.\\4\times5=20.\\20\times5=100.\end{array}\right.$$

(48)

$$400\left\{\begin{array}{l}375\\450.\\500.\end{array}\right.\quad 16\left\{\begin{array}{l}5\\18\\20\end{array}\right)\begin{array}{l}2+4=6.\text{下}\\1\text{----}1.\text{中}\\1\text{----}1.\text{上}\end{array}$$

(49)

$$810\left\{\begin{array}{l}375.\\455.\\475.\\605.\\860.\end{array}\right.\quad 162\left\{\begin{array}{l}75\\91\\95\\121\\172\end{array}\right)\begin{array}{l}10\text{-----}5.\text{乙}\\10\text{-----}5.\text{丙}\\10\text{-----}5.\text{丁}\\10\text{-----}5.\text{戊}\end{array}$$

$$\left.\begin{array}{r}87\\71\\67\\+41\end{array}\right\}\begin{array}{l}133.\text{甲}\\266\end{array}$$

(50)

式一

$$50\left\{\begin{array}{l}25.\\35.\\45.\\55.\\60.\\70.\end{array}\right.\quad 10\left\{\begin{array}{r}5\\7\\9\\11\\12\\14\end{array}\right)\begin{array}{l}4.\\2.\\1.\\1.\\3.\\5.\end{array}$$

式二

$$10\left\{\begin{array}{r}5\\7\\9\\11\\12\\14\end{array}\right)\begin{array}{l}1.\\2.\\4.\\5.\\3.\\1.\end{array}$$

(51)
42 5.
50 +3
8:5=64:x=40.
〃:3=〃:x=24.

(52)
250 { 230 25.
275 +20.
45.
45:25=117:x=65.
〃:20=〃:x=52.

(53)
45 { 38 2----2.
40 2----2.
47 5+7=12.
16.
16:2=200:x=25.
〃:12=〃:x=150.

(54)
50 { 10 50----50.
20 50----50.
100 40+30=70.
170
170:50=204:x=60.
〃:70=〃:x=84.

式(55)三
21 { 18 4+2=6.
20 2----2.
23 1+3=4.
25 3----3.
15.
15.6=60:x=24.
〃:2=〃:x=8.
〃:4=〃:x=16.
〃:3=〃:x=12.

(55)
式七
21 { 18 2+4=6.
20 4+2=6.
23 3+1=4.
25 1+3=4.
20.
20:6=60:x=18.
〃:4=〃:x=12.

式(56)四
40 { 37 10----10.
39 5+10=15.
45 1----1.
50 3+1=4.
30
30:10=480:x=160.
〃:15=〃:x=240.
〃:1=〃:x=16.
〃:4=〃:x=64.

式(56)
40 { 37 5+10=15
39 10----10.
45 3----3.
50 1+3=4.
32.
32:15=480:x=225
〃:10=〃:x=150.
〃:3=〃:x=45.
〃:4=〃:x=60.

(57) 式六
42 { 25 3----3
35 8+3=11.
45 17+7=24.
60 7----7.
45.
45:3=180:x=12.
〃:11=〃:x=44.
〃:24=〃:x=96.
〃:7=〃:x=28.

(58)
30000÷250=120.
250 { 200 100.
350 +50
150.
150:100=120:x=80.
〃:50=〃:x=40.

(59)
54000÷270=200.
270 { 250 80
350 +20.
100.
100:80=200:x=160.
〃:20=〃:x=40.

(60)
2835÷5=567.
500 { 225 235----235.
300 235----235.
735 200+275=475.
945.
945:235=567:x=141.
〃:475=〃:x=285.

(61)
20 { 18 5.
25 2.
5:2=45:x=18.

(62)

$$80\left\{\begin{array}{l}50\\100\end{array}\right)\begin{array}{r}20.\\\underline{+30.}\\50.\end{array}$$

$20.48=80:x=$[illegible]

(63)

$$8\left\{\begin{array}{r}7\\9\\12\end{array}\right)\begin{array}{l}1+4=5.\\1----1.\\1----1.\end{array}$$

$5:1=15:x=8.$

(64)

$$40\left\{\begin{array}{r}85\\42\\52\end{array}\right)\begin{array}{l}2+12=14.\\5------5.\\5------5.\end{array}$$

$5:14=100:x=280.$

《 : 5= 《 $:x=100.$

(65)

$$12\left\{\begin{array}{r}8\\10\\17\end{array}\right)\begin{array}{l}5----5.\\5----5.\\2+4=6.\end{array}$$

$6:5=24:x=20.$

(66)

$$47\left\{\begin{array}{r}25\\30\\50\\54\end{array}\right)\begin{array}{r}7.\\3.\\17.\\22.\end{array}$$

$3:7=21:x=49.$

《.17=《 $:x=119.$

《:22=《 $:x=154.$

(66)

$$47\left\{\begin{array}{r}25\\80\\50\\54\end{array}\right)\begin{array}{r}3.\\7.\\22.\\17.\end{array}$$

$7:\ 8=21:x=\ 9.$

《 22=《 $:x=66.$

《 17=《 $:x=51.$

(67)

$18\times20=360.$

$25\times\underline{32=800,}$

$\underline{52)1160}$

$18)\ 290.$

$$28\left\{\begin{array}{l}\frac{290}{13}\\30\end{array}\right.\quad 364\left\{\begin{array}{l}290\\890\end{array}\right)\begin{array}{r}26.\\74.\end{array}$$

$26:52=74:x=148.$

(68)

$15\times12+13\times15=375$

$375\div(12+15)=\frac{375}{27}=\frac{125}{9}$

$$12\left\{\begin{array}{l}\frac{125}{9}\\10\end{array}\right.\quad 108\left\{\begin{array}{r}125\\90\end{array}\right)\begin{array}{r}18.\\17.\end{array}$$

$18:17=27:x=25.5$

(69)

$25\times50+38\times40=2770.$

$2770\div(50+40)=\frac{2770}{90}$

$$35\left\{\begin{array}{l}\frac{277}{9}\\40\end{array}\right.\quad 315\left\{\begin{array}{r}277\\360\end{array}\right)\begin{array}{r}45.\\38.\end{array}$$

$45:38=90:x=76.$

(70)

$156\times150+54\times9$[illegible]$=2$[illegible]260

$28260\div(156+5$[illegible]$)=$[illegible]$\frac{260}{10}=\frac{942}{7}$

$$40\left\{\begin{array}{l}\frac{942}{7}\\30\end{array}\right.\quad 280\left\{\begin{array}{r}942\\210\end{array}\right)\begin{array}{r}70.\\662.\end{array}$$

$70:662=210:x=1986.$

(71)

$100\times18=1800.$

$\underline{50\times27=1350.}$

$\underline{45)3150.}$

$70.$

$$20\left\{\begin{array}{r}5\\10\\70\end{array}\right)\begin{array}{l}50----50.\\50-----50.\\10+15=25.\end{array}$$

$25:50=45:x=90.$

(72)

0×15=1500.

5×25=1875.

50×35=1750.

$\begin{array}{r|r}\cancel{75} & \cancel{5125}\\ 3 & 205\end{array}$

$47\left\{\begin{array}{l}\frac{205}{3}\\ 42\end{array}\right.\quad 141\left\{\begin{array}{l}205\\ 126\end{array}\right)\begin{array}{l}15.\\ 64.\end{array}$

15:64=75:$\mathcal{X}$=320

(73)

$55\left\{\begin{array}{l}35\\ 70\\ 85\end{array}\right.\quad 11\left\{\begin{array}{l}7\\ 14\\ 17\end{array}\right)\begin{array}{l}3+\cancel{6}=\overset{3}{\cancel{6}}.\,3.\\ 4\text{----}\cancel{4}.\,2.\\ \overset{2}{\cancel{4}}\text{----}\cancel{2}.\,1.\end{array}$

(74)

$58\left\{\begin{array}{l}27\\ 44\\ 79\end{array}\right)\begin{array}{l}21\text{-----}\cancel{21}.\,7.\\ \overset{3}{\cancel{21}}\text{-----}\cancel{3}.\,1.\\ \underset{2}{\cancel{14}}+31=\cancel{33}.\,11.\end{array}$

(75)

$6\left\{\begin{array}{l}3\\ 4\\ 8\end{array}\right)\begin{array}{r}2\text{----}2.\\ \overset{1}{\cancel{2}}\text{----}1.\\ \overset{1}{\cancel{2}}+3=\cancel{4}.\\ \hline 7.\end{array}$

7:2=35:$\mathcal{X}$=10.

«:1=«:$\mathcal{X}$=5.

«:4=«:$\mathcal{X}$=20.

(76)

13.2÷(1+0.2)=11.

$11\left\{\begin{array}{l}8\\ 12\end{array}\right)\begin{array}{l}1.\\ 3.\end{array}$

(77)

36.8÷(1+0.15)〃

〃$=\frac{36.8}{1.15}$

$\frac{3680}{115}\left\{\begin{array}{l}30.\\ 35.\end{array}\right.$

$368\left\{\begin{array}{l}3450\\ 1025\end{array}\right)\begin{array}{l}\cancel{345}.\,3.\\ \cancel{280}.\,2.\end{array}$

(78)

56÷(1−0.2)=70.

$70\left\{\begin{array}{l}58\\ 75\end{array}\right)\begin{array}{l}5.\\ 12.\end{array}$

(79)

$270\div(1-0.05)=\frac{\overset{5400}{\cancel{27000}}}{\underset{19}{\cancel{95}}}$

$\frac{\overset{108}{\cancel{5400}}}{19}\left\{\begin{array}{l}\overset{5}{\cancel{250}}\\ \overset{6}{\cancel{300}}\end{array}\right.\quad 108\left\{\begin{array}{l}95\\ 114\end{array}\right)\begin{array}{l}6.\\ 13.\end{array}$

(80)

25.5÷(1−0.15)=30.

$30\left\{\begin{array}{l}15\\ 45\\ 65\end{array}\right.\quad 6\left\{\begin{array}{l}3\\ 9\\ 13\end{array}\right)\begin{array}{l}\overset{1}{\cancel{3}}+7=8.\\ \overset{1}{\cancel{3}}\text{----}1.\\ 3\text{----}3\end{array}$

(81)

18·750÷150=18.

$13\left\{\begin{array}{l}10\\ 15\end{array}\right)\begin{array}{r}2\\ 3\\ \hline 5\end{array}$

5:2=150:$\mathcal{X}$=60.

«:3=«:$\mathcal{X}$=90.

(82)

216÷36=6.

94+6=100.

$100\left\{\begin{array}{l}80\\ 125\end{array}\right)\begin{array}{r}25\\ 20\\ \hline 45\end{array}$

45:25=36:$\mathcal{X}$=20.

«:20=«:$\mathcal{X}$=16.

(83)

$\frac{\overset{53}{\cancel{265}}\;\cancel{796}}{\underset{19}{\cancel{86}}}\left\{\begin{array}{l}\overset{4}{\cancel{20}}\\ \overset{5}{\cancel{25}}\end{array}\right.\quad 58\left\{\begin{array}{l}48\\ 60\end{array}\right)\begin{array}{r}7\\ 5\\ \hline 12\end{array}$

12:7=36:$\mathcal{X}$=21.

«:5=«:$\mathcal{X}$=15.

(84)

2640÷66=40.

$40\left\{\begin{array}{l}35\\ 42\\ 50\end{array}\right)\begin{array}{r}2+10=12.\\ 5\text{-----}5.\\ 5\text{-----}5.\\ \hline 22.\end{array}$

22:12=66:$\mathcal{X}$=36.

«:5=«:$\mathcal{X}$=15.

(85)

$\frac{\overset{19}{\cancel{988}}}{\underset{3}{\cancel{156}}}\left\{\begin{array}{l}5.\\ 8.\\ 15.\end{array}\right.$

$19\left\{\begin{array}{l}15\\ 24\\ 45\end{array}\right)\begin{array}{r}5+26=31.\\ 4\text{-----}4.\\ 4\text{-----}4.\\ \hline 39\end{array}$

39:31=156:$\mathcal{X}$=124.

«:4=«:$\mathcal{X}$=16.

(86)

$$\frac{\overset{19}{\cancel{22}}}{\underset{13}{\cancel{76}}}\begin{cases}1\\ \cancel{4}\end{cases}\quad 19\begin{cases}13\Big)\ 7.\\ 26\ \ \underline{+6.}\\ \qquad 13.\end{cases}$$

$18:7=78:x=42.$ 兄

$《:6=《:x=36.$ 弟

(87)

$$\frac{\overset{7}{\cancel{14}}}{\underset{5}{\cancel{210}\,/\cancel{75}}}\begin{cases}\overset{1}{\cancel{2}}\\ \overset{2}{\cancel{4}}\end{cases}\quad 7\begin{cases}5\Big)\ 3.\\ 10\ \underline{+2.}\\ \qquad 5.\end{cases}$$

$5:8=75:x=45.$ 舵

$《:2=《:x=30.$ 艪

(88)

$$\frac{30}{\underline{+20}\ \ 11}\begin{cases}\frac{2}{\cancel{8}}\\ \frac{3}{\cancel{12}}\end{cases}\quad 30\begin{cases}22\Big)\ 3.\\ 33\ \ \underline{+8.}\\ \qquad 11.\end{cases}$$

$11:3=11:x=3.$ 雨天

$《:8=《:x=8.$ 晴天

(89)

$(20-3.2)\div24=7.$

$$7\begin{cases}5\Big)\ 1+3=4.\\ 8\ \ 2----2.\\ 10\ \ 2---\underline{+2.}\\ \qquad\qquad 8.\end{cases}$$

$8:4=24:x=12.$

$《:2=《:x=6.$

(90)

$4754-40\times50=2754.$

$2754\div(112-50)=\dfrac{\overset{1377}{\cancel{2754}}}{\underset{31}{\cancel{62}}}$

$(50+40)\div2=45.$

$$\frac{1377}{31}\begin{cases}42.\\ 45.\end{cases}\quad 1377\begin{cases}1302\Big)\ 18.\\ 1395\ \underline{+75.}\\ \qquad 93.\end{cases}$$

$93:18=62:x=12.$ 大

$《:75=《:x=50.$ 大小和

$50\div2=25.$ 大

$25+50=75.$ 小

(91)

$4350-50\times15=3600.$

$3600\div(100-15)=\dfrac{\overset{720}{\cancel{3600}}}{\underset{17}{\cancel{85}}}$

$(50+45)\div2=\dfrac{95}{2}$

$$\frac{\overset{144}{\cancel{720}}}{17}\begin{cases}\overset{19}{\dfrac{\cancel{95}}{2}}\\ \overset{6}{\cancel{80}}\end{cases}\quad 288\begin{cases}323\Big)\ 84.\\ 204\ \ \underline{+35.}\\ \qquad 119.\end{cases}$$

$119:84=85:x=60.$

$《:35=《:x=25.$ 黑

$60\div2=30.$ 紺

$30+15=45.$ 淺黃

(92)

$114000-350\times1?0=61500.$

$61500\div(400-150)=246.$

$(250+350)\div2=300.$

$$246\begin{cases}210\Big)\ 54.\\ 300\ \ \underline{+36.}\\ \qquad 90.\end{cases}\quad \begin{array}{r}400.\\ \underline{-150.}\\ 250.\end{array}$$

$90:54=250:x=150.$ 麦

$《:36=《:x=100.$

$100\div2=50.$ 豆

$50+150=200.$ 米

(93)

$18750-75\times10=1800.$

$18000\div(180-10)=\dfrac{18000}{170}$

$(100+75)\div2=\dfrac{175}{2}$

$$\frac{\overset{72}{\cancel{1800}}}{17}\begin{cases}\overset{7}{\dfrac{\cancel{175}}{2}}\\ \overset{6}{\cancel{150}}\end{cases}\quad 144\begin{cases}119\Big)\ 60.\\ 204\ \ \underline{+25.}\\ \qquad 85.\end{cases}$$

$85:60=170:x=120.$

$《:25=《:x=50.$ 甲

$120\div2=60.$ 乙

$60+10=70.$ 丙

(94)

$(40\times2+4[illegible])\div(2+1)=\frac{125}{3}$

~~43~~ ~~215~~ ~~3305~~ ~~162~~ 6 $\left\{\begin{matrix}\frac{125}{3}\\ 6\\ ~~30~~\end{matrix}\right.$ 43 $\left\{\begin{matrix}50 & 7.\ 1.\\ 86 & 7.\ \frac{1}{2}.\end{matrix}\right.$

2 : 1 = 162 : 𝒳 = 81.
《 : 1 = 《 : 𝒳 = 81.

2.
+1.
3 : 2 = 81 : 𝒳 = 54.
《 : 1 = 《 : 𝒳 = 27.

(95)

$(21\times3+30)\div(3+1)=\frac{93}{4}$

$\frac{765}{32}\left\{\begin{matrix}\frac{93}{4}\\ 25\end{matrix}\right.$ 765 $\left\{\begin{matrix}744 & 35.\\ 800 & +21.\\ & 56.\end{matrix}\right.$

56 : 35 = 32 𝒳 = 20.
《 : 21 = 《 𝒳 = 12.

3.
+1.
4 : 3 = 20 : 𝒳 = 15.
《 : 1 = 《 : 𝒳 = 5.

(96)

$(6\times5+3\times3)\div(5+3)=\frac{39}{8}$

$\frac{592}{120}\left\{\begin{matrix}\frac{39}{8}\\ 5\end{matrix}\right.$ 592 $\left\{\begin{matrix}585 & 8.\\ 600 & +7.\\ & 15.\end{matrix}\right.$

15 : 8 = 120 : 𝒳 = 64.
《 : 7 = 《 : 𝒳 = 56.

5.
+3.
8 : 5 = 64 : 𝒳 = 40.
《 : 3 = 《 : 𝒳 = 24.

(97)

$(250\times4+150\times5)\div(4+5)=\frac{1750}{9}$

165 ~~825~~ 41250 ~~185~~ 87 $\left\{\begin{matrix}\frac{35}{~~1750~~}{9}\\ 6\\ 300\end{matrix}\right.$ 1485 $\left\{\begin{matrix}1295 & 513.\\ 1998 & +190.\\ & 703.\end{matrix}\right.$

703 : 513 = 185 : 𝒳 = 135.
《 : 190 = 《 : 𝒳 = 50.

4.
+5.
9 : 4 = 185 : 𝒳 = 60.
《 : 5 = 《 : 𝒳 = 75.

(98)

100×275 = 27500.
85×850 = 72250.
~~1125~~) ~~99750~~
45 3990

100 $\left\{\begin{matrix}\frac{3998}{45}\\ 98\end{matrix}\right.$
120

450 $\left\{\begin{matrix}399 & ~~90~~ & 30 & 30.\\ 405 & ~~90~~ & 2 & 2.\\ 540 & ~~45~~+~~51~~ & 1\ \ 17 & =18.\end{matrix}\right.$

30 : 2 = 1125 : 𝒳 = 75.
《 : 18 = 《 : 𝒳 = 675

(99)

$50 \div (1+1) = 25.$

$(30 \times 3 + 20 \times 10) \div (3+10) = \frac{290}{13}$

$$\left.\begin{array}{r}\overset{68}{\cancel{5100}}\\ \hline \cancel{225}\\ 3\end{array}\right\}\begin{array}{l}25\\ \frac{290}{13}\end{array}\qquad 884\left\{\begin{array}{l}975\\ 870\end{array}\right)\begin{array}{r}14.\\ 91.\\ \hline 105\end{array}$$

$105 : 14 = 225 : x = 30.$

$〃 : 91 = 〃 : x = 195.$

$30 \div 2 = 15.$ 五十錢之株（[illegible]錢之株）

$$\begin{array}{r}3.\\ +10.\\ \hline 13\end{array} : 3 = 195 : x = 45.$$ 三十錢之株

$〃 : 10 = 〃 : x = 150.$ 二十錢之株

(100)

$$\overset{12}{\cancel{300}}\left\{\begin{array}{l}\overset{5}{\cancel{250}}\\ \overset{9}{\cancel{450}}\\ \overset{13}{\cancel{650}}\end{array}\right.$$

$$12\left\{\begin{array}{r}5\\ 9\\ 13\end{array}\right)\begin{array}{l}1 \text{-------} \\ 1\times 6 \text{-----} \\ 2\times 6+7=\end{array}\begin{array}{r}1.\\ 6.\\ 25.\\ \hline 32.\end{array}\begin{array}{l}\text{絹}\\ \text{紬}\\ \text{綿}\end{array}$$

累乘法

(51) $35^2 = 1225.$

(52) $125^2 = 15625$

(53) $2030^2 = 4120900.$

(54) $3200^2 = 10240000.$

(55) $5.24^2 = 27.4576$

(56) $7.53^2 = 56.7009$

(57) $\left(\frac{3}{5}\right)^2 = \frac{9}{25}$

(58) $\left(3\frac{3}{4}\right)^2 = 14\frac{1}{16}$

(59) $\left(16\frac{1}{2}\right)^2 = 272\frac{1}{4}$

(60) $\left(300\frac{5}{8}\right)^2 = 766781\frac{41}{64}$

(61) $14^3 = 2744.$

(62) $57^3 = 185193.$

(63) $234^3 = 12812904.$

(64) $5025^3 = 126884390625.$

(65) $2.42^3 = 14.172488$

(66) $8.73^3 = 665.338617$

(67) $0.305^3 = 0.028372625$

(68) $\left(\frac{5}{7}\right)^3 = \frac{125}{343}$

(69) $\left(2\frac{1}{3}\right)^3 = 12\frac{19}{27}$

(70) $\left(25\frac{3}{4}\right)^3 = 17073\frac{55}{64}$

(71) $5^4=625.$

(72) $17^4=83521.$

(73) $8^5=32768.$

(74) $30^5=24300000.$

(75) $41^5=115856201.$

(76) $4^6=4096.$

(77) $11^6=1771561.$

(78) $\left(\frac{2}{3}\right)^4=\frac{16}{81}$

(79) $0.62^5=0.0916132832$

(80) $1.28^6=3.462825991689$

(81) $3^2+4^3=73.$

(82) $5^3+7^2=174.$

(83) $8^2+3^3=37.$

(84) $20^2-18^2=76.$

(85) $15^2\times9^3=164025.$

(86) $7^3\times8^4=1404928.$

(87) $15^3\div3^6=4\frac{17}{27}$

(88) $36^2\div6^4=1.$

(89) $7^2+8^3+5^4=7122.$

(90) $100^2\times57^2+30^3\times6^3=38322000.$

(91) $12^2\times50^3-3^2\times27^3=17822853.$

(92) $2^2\times3^2\times4^2\times5^2=14400.$

(93) $(12\times7)^2=7056.$

(94) $(19\times5)^3=857375.$

(95) $7^{15}\div7^9=117649.$

(96) $56^2=3136.$

(97) $45^2=2025.$

(98) $32.5^2\underset{30)}{=}\frac{1056.25}{35.325}$

(99) $28^3=21952.$

(100) $250^3=156250.$

開平方

(251) $\sqrt{426409}=653.$

(252) $\sqrt{7952400}=2820.$

(253) $\sqrt{42.7716}=6.54$

(254) $\sqrt{27.973521}=5.289$

(255) $\sqrt{0.48066489}=0.6933$

(256) $\sqrt{0.00390625}=0.0625$

(257) $\sqrt{654}=25.57$

(258) $\sqrt{2}=1.4142$

(259) $\sqrt{9.7}=3.11448$

(260) $\sqrt{0.0905}=0.3008321$

(261) $\sqrt{14161}=119.$

(262) $\sqrt{12\times27}=18.$

(263) $\sqrt{192\times108}=144.$

(264) $\sqrt{240\times30+25}=85.$

(265) $\sqrt{31266\times30+12.25}=968.5$

(266) $(\sqrt{16384})\times4=512.$

(267) $\sqrt{361\times9}=57.$

(268) $\sqrt{75\times30\times2.5}=75.$

(269)
$$\begin{array}{rr} 411. & 15. \\ 1069. & 20. \\ +\ 703. & 11. \\ \hline \sqrt{2183.} & 46.=256. \end{array}$$
町反畝　歩

(270) $\sqrt{1069.29}=32.7$
$\times 6$
42

(271) $\sqrt{384\div1.5}=16.$

(272) $\sqrt{6561}=81.$

(273) $\sqrt{28800\div50}=24.$

(274) $\sqrt{3^2+4^2}=5.$

(275) $\sqrt{8^2+15^2}=17.$

(276) $\sqrt{45^2-27^2}=36.$

(277) $\sqrt{26.9^2-26^2}=6.9$

(278) $\sqrt{\left(1\times60+23\frac{2}{6}\right)^2-\left(1\times60+6\frac{4}{6}\right)^2}=50.$

(279) $\sqrt{3^2+4^2}=5.$

$5:3=4:x=2.4$ [illegible]
$5:4=4:x=3.2$ [illegible]
$5:3=3:x=1.8$ [illegible]

(280) $4:x=x:9$
$x^2=4\times9$　$\therefore x=6.$

(281) $\sqrt{15^2+20^2}=25.$

(282) $\sqrt{\left(7-\frac{2}{6}\right)^2-\left(5\frac{2}{6}\right)^2}=4.$

(283) $\sqrt{5^2-4^2}+\sqrt{5^2-3^2}=7.$

(284) $\sqrt{(273\times30+2)\times2}=128.$

(285) $2.7:4.5^2=30:x^2$
$x=\sqrt{\frac{4.5^2\times30}{2.7}}=15.$

(286) $1\times60+40:8^2=16:x^2$
$x=\sqrt{\frac{100\times8^2}{16}}=20.$

(287) $\sqrt{9}:135=\sqrt{16}:x=18.$

(288) $\sqrt{87\times12+59\times24+22\times30+16}=56.$

(289) $\cancel{3}\times2:3^{2}=28\times30+24:x^2$
$x=\sqrt{\frac{3\times864}{2}}=36.$ 縱
$3\times\cancel{2}:2^{2}=28\times30+24:x^2$
$x=\sqrt{\frac{2\times864}{3}}=24$ 横

(290) $144:x=x:81$

$x^2=144\times81$ $x=108$.

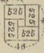
(291) $36:x=x:25$

$x^2=36\times25$ $x=30$.

(292) $\sqrt{46^2-525\times4}=4$. 縦横ノ較

$(46+4)\div2=25$. 縦

$(46-4)\div2=21$. 横



(293) $\sqrt{(65\times30+10)\times4+21^2}=91$. 縦横ノ和

$(91+21)\div2=56$. 縦

$(91-21)\div2=35$. 横

(294) $\sqrt{1024}=32$.

$\sqrt{(32\times2)^2-960\times4}=16$. 縦横ノ較

$(32\times2+16)\div2=40$. 縦

$(32\times2-16)\div2=24$. 横

(295) $\sqrt{8^2\div2}=5.65+$

(296) $16.1:1^2=257\frac{3}{5}:x^2$

$x=\sqrt{\frac{1^2\times2576}{161}}=4$.

(297) $16.1:1^2=788\frac{9}{10}:x^2$

$x=\sqrt{\frac{1^2\times7889}{161}}=7$

(298) $\sqrt{9^2-9\times8}=3$.

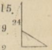
$(9+3)\div2=6$.

$(9-3)\div2=3$.

(299) $24\times\frac{5}{8}=15$.

$24-15=9$

$\sqrt{15^2-9^2}=12$.



(300) $2^3:25^2=8^3:x^2$

$x=\sqrt{\frac{25^2\times8^3}{2^3}}=200$.

開立方

(201) $\sqrt[3]{13824}=24$.

(202) $\sqrt[3]{970299000}=990$.

(203) $\sqrt[3]{2357947691}=1331$.

(204) $\sqrt[3]{61.629875}=3.95$

(205) $\sqrt[3]{554.601821696}=8.216$

(206) $\sqrt[3]{102766.285504}=46.84$

(207) $\sqrt[3]{0.201230056}=0.586$

(208) $\sqrt[3]{0.000469097433}=0.0777$

(209) $\sqrt[3]{820}=9.3599$

(210) $\sqrt[3]{6.3}=1.84691$

(211) $\sqrt{\sqrt[3]{15625}}=5.$

(212) $\sqrt[3]{39304}=34.$

(213) $\sqrt[3]{676836152}=878.$

(214) $\sqrt[3]{128\times81\times36}=72.$

(215) $25\times\sqrt[3]{8}=50.$

(216) $\sqrt[3]{5\times2.7\times2\times27}=9.$

(217) $(\sqrt[3]{1.728})^2=144.$

(218) $(\sqrt[3]{250047})^2\times6=23814.$

(219) $\sqrt[3]{8.18+5.644}=2.4$

(220) $5:4^3=40:x^3 \quad x=8.$

(221) $68:3^3=4352:x^3$

$x=\sqrt[3]{\frac{3^3\times4352}{68}}=12.$

(222) $54:15^3=432:x^3$

$x=\sqrt[3]{\frac{15^3\times432}{54}}=30.$

(223) $5\sqrt[3]{64}=20.$

(224) $8:42^3=27:x^3$

$x=\sqrt[3]{\frac{42^3\times8}{27}}=28.$

(225) $\sqrt[3]{27}:24=\sqrt[3]{8}:x=16.$

(226) $216000:7^3=592704:x^3$

$x=\sqrt[3]{\frac{216000\times7^3}{592704}}=5.$

(227) $\sqrt[3]{3^3+4^3+5^3}=6.$

(228) $\sqrt[3]{15650-25}\fallingdotseq25.$

(229) $\sqrt[3]{23.328\times2}=36.$ 縱橫ニ等

$36\div2=18.$高

(230) $\sqrt[3]{13500\div4}=15.$ 縱橫ニ等

$15\times4=60.$深寸 $\therefore 1.$間

(231) $\sqrt[3]{7500\div3\times4\times5}=5.$

$3\times5=15.$甲

$4\times5=20.$乙

$5\times5=25.$丙

(232) $\sqrt[3]{64.827\times5}=6.869+$

(233) $\sqrt[3]{49\times64.827}=14.7$

(234) $\sqrt[3]{294\times64.827\div1\times3\times2}=14.7$横

$14.7\times3\fallingdotseq44.1$縱

$14.7\times2=29.4$深

(235) $30:2^3=15.36:x^3$

$x=\sqrt[3]{\frac{2^3\times15.36}{30}}=1.6$

(236) $\sqrt[3]{1250\div80}=2.5$

$3\times2.5=7.5$

$1.6\times2.5=4.$

$6\times2.5=15.$

(237) $\sqrt[3]{270\div80}=1.5$

$0.5\times1.5=0.75$

$5.2\times1.5=7.8$

(238) $\sqrt[3]{8\times(1\times60+48)\times\frac{1.5}{6}}=6.$

(239) $\sqrt{\frac{121.5}{6}}=4.5$

$\sqrt[3]{\frac{960}{120}}=2.$

$(4.5\times2)^2\times6=486.$

(240) $\sqrt[3]{91125}=45.$

(241) $\sqrt[3]{27648\div1\times\frac{1}{3}\times\frac{3}{4}}=48.$

(242) $\sqrt[3]{129600\div\frac{1}{2}\times3\times\frac{2}{5}}=60.$

(243) $(\sqrt[3]{15.625})\times\sqrt{3}=4.33+$

$\times6.$

$1.98+$ 尺

(244) $39.2:11^3=14\frac{2}{7}:x^3$

$x=\sqrt[3]{\frac{14^3\times100}{39.2\times7}}=10.$

(245) $\sqrt[3]{13824}=24.$

$15^2:7.5=24^2\times6:x=115.2$

(246) $\sqrt[3]{13.5\times2}=3.$

$5.4\times4:3=3^2\times6^2:x=15.$

(247) $\sqrt[3]{46656}=36.$

$36+4=40.$ [illegible]

$46656\div40^2=29.16$ 高

(248) $20^2:10^3=160^2:x$

$x=\sqrt[3]{\frac{10^3\times160^2}{20^2}}=40.$

(249) $(\sqrt[3]{3375}-\sqrt[3]{2744})\div2$〃

〃$=0.5$

(250) $\sqrt[3]{49\times64.827}=14.7$

$49:14.7=100:x=30.$

重利法

(1) $\{(1+0.12)^2-1\}\times60=15.264$

(2) $\{(1+0.2)^3-1\}\times75=54.6$

(3) $\{(1+0.1)^4-1\}\times150=69.615$

(4) $\{(1+0.21)^3-1\}\times200=154.3122$

(5) $\{(1+0.2\div2)^{1\times2}-1\}\times125=26.25$

(6) $\{(1+0.1\div2)^{1.5\times2}-1\}\times40=6.305$

(7) $\{(1+0.01\times6)^{1.5\times2}-1\}\times400=76.4064$

(8) $\{(1+0.015\times6)^{1\times2}-1\}\times15=2.8215$

(9) $\{(1+0.01\times4)^{1\times3}-1\}\times300=37.4592$

(10) $\{(1+0.02\times4)^{8\div4}-1\}\times30=4.992$

(11) $\{(1+0.12)^2\times(1+0.12\div2)-1\}\times200=65.9328$

(12) $\{(1+0.2)^2\times(1+0.2\div2)-1\}\times100=584.$

(13) $\{(1+0.12)^2\times(1+0.12\div4)-1\}\times300=87.6096$

(14) $\{(1+0.02\times5)^{(1\times12+8)\div5}-1\}\times30=13.923$

(15) $\{(1+0.01\times8)^{2\times12\div8}-1\}\times6000=1558.272$

(16) $518.4\div(1+0.2)^3=300.$

(17) $54.925\div(1+0.3)^3=25.$

(18) $165.3125\div(1+0.15)^2=125.$

(19) $4685.12\div(1+0.2\div2)^{2\times2}=3200.$

(20) $702.464\div(1+0.02\times6)^{18\div6}=500.$

(21) $6.75\div\{(1+0.25)^2-1\}=12.$

(22) $696.15\div\{(1+0.1)^4-1\}=1500.$

(23) $160.758\div\{(1+0.18)^3-1\}=250.$

(24) $3.68\div\{(1+0.2)^4-2\}=50.$

(25) $\{(1+0.15)^2-1-0.15\times2\}\times750=16875$

(26) $\{(1+0.2)^4-1-0.2\times4\}\times300=82.08$

(27) $\{(1+0.2\div2)^{2\times2}-(1+0.2)^2\}\times120=2.892$

(28) $\{(1+0.12\div2)^{2\times2}-(1+0.12)^2\}\times5000=403848$

(29) $\{(1+0.15)^3-1-0.17\times3\}\times400=4.35$

(30) $[0.15\times3.5-\{(1+0.07)^5-1\}]\times600=73.4689+$

(31) $4868.85684\div(1+0.15\div6)^{(1\times12+2)\div2}=4096.$

(32) $29.7432\div(1+0.02\times4)^2\times(1+0.02)=25.$

(33) $\left\{\begin{array}{l}183.8155\div\{(1+0.11)^3-1\}=500.\\500\times0.11\times3=165.\end{array}\right.$

(34) $3852.48-(1+0.2)^5\times1500=120.$

(35) $860.706\div(1+0.2)\times(1+0.15)\times(1+0.1)\times(1+0.08)\times(1+0.05)=500$

(36) $3.94\div\left[0.12\times4-\left\{(1+0.1)^3-1\right\}\right]=60.$

(37) $\left\{(1+0.2)^3-1\right\}\times200\div364\times0.16=2.5$

(38) $(1+0.2)^3\times600\div200=5.184$

(39) $375\div6250=0.06\quad\left\{(1+0.06)^{3\times12\div4}-1\right\}\times6250=2615.7444+$

(40) $230\div\left\{(1+0.2)^2-1+0.24\times2\right\}=250.$

(41) $479.5\div\left\{(1+0.2)^2\times(1+0.2\div2)-1+0.15\times2.5\right\}=500.$

(42) $\left\{(1+0.06\div2)^{2\times2}-1\right\}\times50=6.2754+$

(43) $456.2625\div396.75-1=0.15$

(44) $419.265\div\left\{(1+0.1)^5-(1+0.1)^3\right\}=1500.$

(45) $\sqrt{7867.5968\div6272}-1=0.12$

(46) $\sqrt[3]{62208\div36}-1=0.2$

(47) $\begin{cases}300\div0.01\times12=2500.\\2500\div(1+0.01\times12)^3=1779.4506+\end{cases}$

(48) $\begin{cases}(1+0.2)^3\times91\div\{1+(1+0.2)+\\(1+0.2)^2\}=43.2\end{cases}$

(49) $\begin{cases}(1+0.1)^4\times30\div\{1+(1+0.1)+\\(1+0.1)^2+(1+0.1)^3\}=9.4641+\end{cases}$

(50) $\left\{1+(1+0.2)+(1+0.2)^2\right\}\times100$

$\div(1+0.2)^3=210.6481+$

平差級數

末＝初＋(次－1)×差

(1) $3+(10-1)\times2=21.$

(2) $5+(16-1)\times3=50.$

(3) $12+(25-1)\times7=180.$

(4) $16+(28-1)\times\frac{2}{3}=34.$

(5) $20+(36-1)\times\frac{4}{7}=40.$

末＝初－(次－1)×差

(6) $50-(24-1)\times2=4.$

(7) $78-(20-1)\times4=2.$

(8) $100-(18-1)\times5=15.$

(9) $48-(75-1)\times\frac{1}{2}=11.$

(10) $80-(55-1)\times1\frac{1}{3}=8.$

$$\text{初}=\text{末}\pm(\text{次}-1)\times\text{差}$$

(11) $7+(25-1)\times5=127$

(12) $12+(43-1)\times\frac{2}{3}=40$

(13) $3\frac{1}{2}+(8-1)\times1\frac{1}{2}=14.$

(14) $48-(15-1)\times3=6.$

(15) $70-(81-1)\times\frac{3}{4}=10.$

$$\text{總}=\frac{(\text{初}+\text{末})\times\text{次}}{2}$$

(16) $\frac{(2+16)\times7}{2}=63.$

(17) $\frac{(8+36)\times15}{2}=330.$

(18) $\frac{(7+\frac{3}{2})\times24}{2}=900.$

(19) $\frac{(200+25)\times36}{2}=4050.$

(20) $\frac{(45+500)\times66}{2}=17985.$

$$\text{總}=\text{初}\times\text{次}+\frac{(\text{次}-1)\times\text{次}\times\text{差}}{2}$$

(21) $5\times9+\frac{(9-1)\times9\times4}{2}=189.$

(22) $6\times13+\frac{(13-1)\times13\times2\frac{1}{2}}{2}=273.$

(23) $35\times11-\frac{(11-1)\times11\times3}{2}=220.$

(24) $60\times36-\frac{(36-1)\times36\times1\frac{3}{5}}{2}=1152.$

(25) $30\times40-\frac{(40-1)\times40\times\frac{2}{3}}{2}=680.$

$$\text{差}=\frac{\text{末}-\text{初}}{\text{次}-1}$$

(26) $\frac{20-2}{10-1}=2.$

(27) $\frac{47-5}{15-1}=3.$

(28) $\frac{81-6}{16-1}=5.$

(29) $\frac{145-1}{17-1}=9.$

(30) $\frac{17-7}{16-1}=\frac{2}{3}.$

$$\text{次}=\frac{\text{末}-\text{初}}{\text{差}}+1\ \text{或}\ \frac{\text{初}-\text{末}}{\text{差}}+1$$

(31) $\frac{125-5}{4}+1=31.$

(32) $\frac{166-12}{7}+1=23.$

(33) $\frac{150-6}{12}+1=13.$

(34) $\frac{800-324}{17}+1=29.$

(35) $\frac{18-15}{\frac{1}{3}}+1=100.$

$$\text{次}=\frac{2\times\text{總}}{\text{初}+\text{末}}$$

(36) $\frac{2\times153}{5+29}=9.$

(37) $\frac{2\times630}{7+77}=15.$

(38) $\frac{2\times650}{50+2}=25.$

(39) $\frac{2\times1695}{100+13}=30.$

(40) $\frac{2\times2880}{72+18}=64.$

$$\text{初}=\text{末}=\frac{\text{初}\pm\text{末}\pm(\text{次}-1)\times\text{差}}{2}$$

(41) $\begin{cases}\frac{25-(8-1)\times3}{2}=2.^{\text{初}}\\ 25-2=23.^{\text{末}}\end{cases}$

(42) $\begin{cases}\frac{100-(15-1)\times6}{2}=8.^{\text{初}}\\ 100-8=92.^{\text{末}}\end{cases}$

(43) $\begin{cases}\frac{192+(25-1)\times7}{2}=180.^{\text{初}}\\ 192-180=12^{\text{末}}\end{cases}$

(44) $\begin{cases}\frac{763+(50-1)\times13}{2}=700.^{\text{初}}\\ 763-700=63.^{\text{末}}\end{cases}$

(45) $\begin{cases}\frac{42+(36-1)\times\frac{4}{5}}{2}=35.^{\text{初}}\\ 42-35=7^{\text{末}}\end{cases}$

$$\text{初或末}=\frac{\text{總}}{\text{次}}\pm\frac{(\text{次}-1)\times\text{差}}{2}$$

(46) $\begin{cases}\frac{105}{7}-\frac{(7-1)\times2}{2}=9.^{\text{初}}\\ \frac{105}{7}+\frac{(7-1)\times2}{2}=21.^{\text{末}}\end{cases}$

(47) $\begin{cases}\frac{600}{15}-\frac{(15-1)\times5}{2}=5.^{\text{初}}\\ \frac{600}{15}+\frac{(15-1)\times5}{2}=75.^{\text{末}}\end{cases}$

(48) $\begin{cases}\frac{1100}{25}+\frac{(25-1)\times3}{2}=80.^{\text{初}}\\ \frac{1100}{25}-\frac{(25-1)\times3}{2}=8.^{\text{末}}\end{cases}$

(49) $\begin{cases}\frac{8514}{33}+\frac{(33-1)\times12}{2}=450.^{\text{初}}\\ \frac{8514}{33}-\frac{(33-1)\times12}{2}=66.^{\text{末}}\end{cases}$

(50) $\begin{cases}\frac{1120}{16}-\frac{(16-1)\times8}{2}=10.^{\text{初}}\\ \frac{1120}{16}+\frac{(16-1)\times8}{2}=130.^{\text{末}}\end{cases}$

(51) $4+(5-1)\times2=12.$

(52) $25+(6-1)\times5=50.$

(53) $30+(10-1)\times25=255.$

(54) $10-(5-1)\times1.5=4.$

(55) $65\frac{1}{2}+(24-5+1-1)\times\frac{1}{2}=75$

(56) $\frac{(350+50)\times7}{2}=1400.$

(57) $\frac{(\overset{\text{反畝　歩}}{15.12}+\overset{\text{反畝　歩}}{50.12})\times15}{2}=493^{\text{畝}}\ 15.^{\text{歩}}$

(58) $\frac{(1+24)\times24}{2}=300.$

(59) $\frac{(5+30)\times(30-5+1)}{2}=455.$

(60) $\frac{(1+49)\times49}{2}\times4=4900.$

(61) $\frac{(1+12)\times12}{2}\times2=156.$

(62) $\begin{cases}100\div5=20^{\text{伯}}\\ 20+5=25.^{\text{侯}}\ 25+5=30.^{\text{公}}\\ 20-5=15.^{\text{子}}\ 15-5=10.^{\text{男}}\end{cases}$

(63) $\begin{cases}350\div5=70.\\ 70+25=95.\ 95+25=120\\ 70-25=45.\ 45-25=20.\end{cases}$

(64) $\begin{cases}\frac{2394}{7}+\frac{(7-1)\times80}{2}=582.^{\text{第一}}\\ \frac{2394}{7}-\frac{(7-1)\times80}{2}=102.^{\text{第七}}\end{cases}$

(65) $\begin{cases}\frac{60}{12}-\frac{(12-1)\times0.5}{2}=2.25^{\text{初月}}\\ \frac{60}{12}+\frac{(12-1)\times0.5}{2}=7.75^{\text{末月}}\end{cases}$

(66) $\begin{cases}\frac{500}{100}+\frac{(100-1)\times0.1}{2}=9.95^{\text{初}}\\ \frac{500}{100}-\frac{(100-1)\times0.1}{2}=0.05^{\text{末}}\end{cases}$

(67) $\frac{31-3}{15-1}=2.$

(68) $\frac{17-5}{9-1}=1.5$

(69) $\frac{523.6-136.15}{10-1}=42^{\text{畝}}.29.^{\text{歩}}$

(70) $\begin{cases}\frac{450-126}{5-1}=81.\\ 450-81=369.^{\text{乙}}\\ 369-81=288.^{\text{丙}}\\ 288-81=207.^{\text{丁}}\end{cases}$

(71)
$$\begin{cases}\dfrac{20-48}{5-1}=18. \\ 120-18=102.\text{第二} \\ 102-18=81.\text{第三} \\ 84-18=66.\text{第四}\end{cases}$$

(72)
$$\begin{cases}\dfrac{\overset{\text{町反畝}}{124}.\overset{\text{反畝}}{52}.\overset{\text{歩}}{15}}{6-1}=\overset{\text{畝}}{14}.\overset{\text{歩}}{9}. \\ 124-14.9=109\ \overset{\text{畝}}{2}\overset{\text{歩}}{1}.\text{乙} \\ 52.15+14.9=66.\overset{\text{畝}}{2}\overset{\text{歩}}{4}.\text{戊}\end{cases}$$

(73) $\dfrac{168\times2}{48}=7.$

(74) $\dfrac{1854\times2}{412}=9.$

(75) $\dfrac{15\times40\times2}{75+5}=15.$

(76) $\dfrac{(600-41)\times2}{25+61}=13.$

(77) $\dfrac{27-5}{2}+1=12.$

(78) $\dfrac{(18-3)\times36}{30}+1=19.$

(79) $\dfrac{500-350}{25}+1=7.$

(80)
$$\begin{cases}220\times2\div5=88. \\ (88+64)\div2=76.\text{長子} \\ 88-76=12.\text{末子}\end{cases}$$

(81)
$$\begin{cases}21250\times2\div10=4250. \\ (4250-2250)\div2=1000.\text{初年} \\ 4250-1000=3250.\text{十年目}\end{cases}$$

(82) $100+(15-1)\times25=450.$

(83) $\dfrac{28-10}{3}+1=7.$

(84) $\dfrac{(5+50)\times5}{2}=137.5$

(85) $\dfrac{83-5}{(9-3+1)-1}=13.$

(86) $100\times10+\dfrac{(10-1)\times10\times30}{2}=2350.$

(87)
$$\begin{cases}\dfrac{496}{8}-\dfrac{(8-1)\times12}{2}=20.\text{第一日} \\ 20+(5-1)\times12=68.\text{第五日}\end{cases}$$

(88)
$$\begin{cases}\dfrac{10-7}{5-1}=0.75 \\ 10-0.75=9.25\ \text{乙} \\ 9.25-0.75=8.5\ \text{丙} \\ 8.5-0.75=7.75\ \text{丁}\end{cases}$$

(89)
$$\begin{cases}\dfrac{1500}{6}+\dfrac{(6-1)\times50}{2}=375.\text{甲} \\ 375-50=325.\text{乙} \\ 325-50=275.\text{丙} \\ 275-50=225.\text{丁} \\ 225-50=175.\text{戊} \\ 175-50=125.\text{己}\end{cases}$$

(90) $\dfrac{100-16}{12}+1=8.$

(91)
$$\begin{cases}270\div3=90.\text{丙} \\ 90+30=120.\text{乙}\quad 90-30=60.\text{丁}\end{cases}$$

(92)
$$\begin{cases}(675\div3-375\div3)\div(6-2)=25.\text{差} \\ 375\div3+25\times2=175.\text{第四}\end{cases}$$

(93) $\begin{cases} (27\div2-15\div2)\div2=3. \\ (27+3)\div2=15.^{甲}\quad 12-3=9.^{丙} \\ 15-3=12.^{乙}\quad 9-3=6.^{丁} \end{cases}$

(94) $\begin{cases} (14.5\div2-12\div3)\div6.5=0.5^{差} \\ (14.5+5)\div2=7.5^{甲} \\ 7.5-0.5\times(5-1)=5.5^{戊} \\ 5.5-0.5\times(5-1)=3.5^{壬} \end{cases}$

(95) $\frac{(1+15)\times15}{2}\times0.5=60.$

(96) $\frac{12\times10\times2}{5}-12=36.$

(97) $\begin{cases} (\frac{56\times2}{7}+6.6)\div2=11.3 \\ 6.6:16.5=11.3:x=28.25^{第一} \\ 28.25-\{16.5\div(7-1)\}\times4=17.25^{第五} \end{cases}$

(98) $\begin{cases} 5\times8+\frac{(8-1)\times8\times2}{2}=96. \\ 4\times8+\frac{(8-1)\times8\times1.5}{2}=74. \\ 96+74=170. \end{cases}$

(99) $\frac{(23+87+35)\times2}{23+35}=5.$

(100) $\begin{cases} 100\div10=10. \\ 20\times10+\frac{(10-1)\times10\times20}{2}=1100. \\ 1100-100=1000. \end{cases}$

幾何級數

$末=初\times倍^{次-1}$

(1) $1\times2^{4-1}=8.$

(2) $3\times3^{5-1}=243.$

(3) $5\times4^{8-1}=81920.$

(4) $64\times(\frac{1}{2})^{6-1}=2.$

(5) $625\times(\frac{1}{5})^{5-1}=1.$

(6) $3645\times(\frac{1}{3})^{7-1}=5.$

(7) $4\times(2\frac{1}{2})^{5-1}=156\frac{1}{4}$

$總=\frac{(倍^{次}-1)\times初}{倍-1}$

(8) $\frac{(3^6-1)\times3}{3-1}=1092.$

(9) $\frac{(4^8-1)\times5}{4-1}=109225.$

(10) $\frac{(7^6-1)\times10}{7-1}=196080.$

(11) $\frac{\{(\frac{1}{3})^5-1\}\times81}{\frac{1}{3}-1}=121.$

(12) $\frac{\{(\frac{3}{4})^6-1\}\times1024}{\frac{3}{4}-1}=3367.$

(13) $\frac{\{(\frac{2}{3})^8-1\}\times27}{\frac{2}{3}-1}=77\frac{68}{81}$

(14) $\frac{\{(3\frac{1}{2})^4-1\}\times8}{3\frac{1}{2}-1}=477.$

(15) $\frac{(2^{10}-1)\times2}{2-1}=2046.$

(16) $\frac{(3^{12}-1)\times2}{3-1}=531440.$

(17) $\frac{\{(\frac{1}{2})^{8}-1\}\times1}{\frac{1}{2}-1}=1\frac{127}{128}$

(18) $\frac{\{(\frac{1}{3})^{9}-1\}\times1}{\frac{1}{3}-1}=1\frac{3280}{6561}$

(19) $\frac{\{(\frac{1}{3})^{5}-1\}\times27}{\frac{1}{3}-1}=40\frac{1}{3}$

(20) $\frac{\{(\frac{1}{5})^{5}-1\}\times625}{\frac{1}{5}-1}=781.$

$$\text{捴}=\frac{\text{末}\times\text{倍}-\text{初}}{\text{倍}-1}$$

(21) $\frac{384\times2-3}{2-1}=765.$

(22) $\frac{1280\times4-5}{4-1}=1705.$

(23) $\frac{6250\times5-10}{5-1}=7810.$

(24) $\frac{1\times\frac{1}{3}-729}{\frac{1}{3}-1}=1093.$

(25) $\frac{81\times\frac{3}{7}-2401}{\frac{3}{7}-1}=4141.$

$$\text{末}=\frac{\text{初}+(\text{倍}-1)\times\text{總}}{\text{倍}}$$

(26) $\frac{7+(2-1)\times889}{2}=448.$

(27) $\frac{12+(3-1)\times4368}{3}=2916.$

(28) $\frac{5120+(\frac{3}{4}-1)\times16835}{\frac{3}{4}}=1215.$

(29) $\frac{625+(1\frac{1}{5}-1)\times4651}{1\frac{1}{5}}=1296.$

$$\text{初}=\text{末}\times\text{倍}-(\text{倍}-1)\times\text{總}$$

(30) $486\times3-(3-1)\times728=2.$

(31) $12500\times5-(5-1)\times15624=4.$

(32) $16\times\frac{1}{4}-(\frac{1}{4}-1)\times5456=4096.$

(33) $729\times1\frac{1}{2}-(1\frac{1}{2}-1)\times1995=96.$

$$\text{初}=\frac{\text{末}}{\text{倍}^{\text{次}-1}}$$

(34) $\frac{768}{2^{8-1}}=6.$ (35) $\frac{10\frac{6}{25}}{(\frac{4}{5})^{3-1}}=25.$

$$\text{初}=\frac{(\text{倍}-1)\times\text{捴}}{\text{倍}^{\text{次}}-1}$$

(36) $\frac{(3-1)\times7651}{3^{7}-1}=7.$

(37) $\frac{(7-1)\times22408}{7^{5}-1}=8.$

(38) $\frac{(\frac{2}{3}-1)\times73\frac{8}{9}}{(\frac{2}{3})^{6}-1}=27.$

$$末=\frac{(倍-1)\times總\times倍^{次-1}}{倍^{次}-1}$$

(39) $\frac{(2-1)\times 765\times 2^{8-1}}{2^{8}-1}=384.$

(40) $\frac{(5-1)\times 1872\times 5^{4-1}}{5^{4}-1}=1500.$

(41) $\frac{(\frac{3}{4}-1)\times 70985\times(\frac{3}{4})^{7-1}}{(\frac{3}{4})^{7}-1}=3645.$

$$倍=\frac{總-初}{總-末}$$

(42) $\frac{1905-15}{1905-960}=2.$

(43) $\frac{3025-25.}{3025-2025}=3.$

(44) $\frac{20000-50}{20000-17150}=7.$

(45) $\frac{1023-512}{1023-1}=\frac{1}{2}$

(46) $\frac{206\frac{1}{5}-125}{206\frac{1}{5}-3\frac{1}{5}}=\frac{2}{5}$

(47) $\frac{350-54}{350-128}=\frac{4}{3}=1\frac{1}{3}$

$$\sqrt[次-1]{\frac{末}{初}}$$

(48) $\sqrt[3-1]{\frac{112}{7}}=4.$

(49) $\sqrt[4-1]{\frac{2000}{16}}=5.$

(50) $\sqrt[5-1]{\frac{72030}{30}}=7.$

(51) $\sqrt[7-1]{\frac{233280}{5}}=6.$

(52) $30\times 2^{4-1}=240.$

(53) $25\times 3^{5-1}=2025.$

(54) $2\times 2^{10-1}=1024.$

(55) $720\times(\frac{1}{2})^{5-1}=45.$

(56) $128\times(1-\frac{1}{4})^{5-1}=\underset{反畝}{40}.\underset{歩}{15}.$

(57) $50\times(1+\frac{1}{5})^{6-1}=124.416$

(58) $12\times 6^{7-1}=559872.$

(59) $5\times(1-0.2)^{6-1}=1.6384$

(60) $\frac{2025\times 3-25}{3-1}=3025.$

(61) $\frac{(2^{12}-1)\times 3}{2-1}=12285.$

(62) $\frac{(2.5^{5}-1)\times 16}{2.5-1}=1031.$

(63) $\frac{(\overset{里}{21}.\overset{町}{12})\times 2-(\overset{里}{1}.\overset{町}{12})}{2-1}=\overset{里}{41}.\overset{町}{12}.$

(64) $1000-\frac{(2.5^{3}-1)\times 84}{2.5-1}=181.$

(65) $\frac{\{(\frac{2}{3})^{5}-1\}\times(\overset{反畝}{94}.\overset{歩}{15})}{\frac{2}{3}-1}=\overset{反畝}{153}.\overset{歩}{25},ヶ=\overset{町反畝}{300}.$

(66) $\frac{12.5+\{(1+0.2)-1\}\times 671}{1+0.2}=ヶ216$

(67) $\frac{32+\{(1+0.5)-1\}\times 422}{1+0.5}=ヶ162.$

(68) $405\times3-(3-1)\times605=5.$

(69) $64\div(1-0.2)^{4-1}=125.$

(70) $648\div(1-0.4)^{5-1}=5000.$

(71) $\frac{(3-1)\times16125}{3^{5}-1}=125.$

(72) $\sqrt[3-1]{\frac{50}{8}}=2.5$

(73) $\sqrt[4-1]{\frac{320}{5}}=4.$

$320\div4=80.$ 乙　$5\times4=20.$ 丙

(74) $\sqrt[5-1]{\frac{5184}{2500}}=1.2$

$2500\times1.2=3000$

$3000\times1.2=3600$

$3600\times1.2=4320$

(75) $\frac{1350\times(1-0.25)-3200}{(1-0.25)-1}=8750.$

(76) $\frac{369-64}{369-125}=\begin{array}{r}1.25\\ \underline{-1}\\ 0.25\end{array}$

(77) $\sqrt[3-1]{\frac{1250}{200}}=2.5$

$\frac{(2.5^{4}-1)\times200}{2.5-1}=5075.$

(78) $\frac{7810-2560}{7810-810}=\begin{array}{r}1.\\ \underline{0.75}\\ 0.25\end{array}$

(79) $\frac{80}{20}+1=5.$

$2^{5-1}\times25000=400000.$

(80) $\frac{45}{\left(\frac{1}{2}\right)^{6-1}}=1440.$

(81) $25\times2^{8-1}=3200$

(82) $12.5\times(1+0.2)^{6}=37.3248$

(83) $128\div\left(1-\frac{2}{10}\right)^{3}=250.$

(84) $\frac{(2^{5}-1)\times18}{2-1}=558.$

(85) $\frac{(9^{6}-1)\times36}{9-1}+4=193710.244$

(86) $\frac{729}{1.5^{7-1}}=64.$

(87) $\sqrt[4-2]{\frac{216}{24}}=3$　$\begin{array}{r}1.\\ \underline{+3.}\\ 4\end{array}\!\!\left)\underline{216.}\right.$　$54\times3^{2}=486.$

(88) $\begin{cases}\sqrt[5-2]{\frac{2240}{35}}=4.\\ 1+4=5.\end{cases}$　$5\left)\underline{35}\right.$　$7\times4^{2}=112.$

(89) $\sqrt[6-3]{\frac{244000}{124928}}=1.25$

$1\quad=1.$

$1.25\quad=1.25$

$1.25^{2}=\underline{1.5625}$

$\qquad 3.8125$

$3.8125:1=124928:x=32768$ 乙

$:1.5625=2440:x=1000.$ 甲

(90) $\sqrt[6-3]{\frac{3066.-(340.20.)}{340.20.}}=2.$

$1=1.$

$2=2.$

$2^{2}=\underline{4.}$

$7:2=\overset{町反畝}{340}.\overset{歩}{20}.:x=\overset{反畝}{97}.10.$ 乙

$7:2=\underset{町反畝}{3066}-(\underset{町反畝}{340}.\underset{歩}{20}):x''$

$''=\underset{町反畝}{778}.\underset{歩}{20}.$ 戊

(91) $\sqrt[7-3]{\frac{784}{49}}=2.\quad 1+2+2^{2}=7.$

$49\div7=7.^{\text{積}}$

$7\times2=14.^{\text{壁}}\quad 56\times2=112.^{\text{檜}}$

$14\times2=28.^{\text{棟}}\quad 112\times2=224.^{\text{杉}}$

$28\times2=56.^{\text{松}}\quad 224\times2=448.^{\text{華}}$

(92) $\begin{cases}1\times3^{(15-3+1)-1}=531441.\\ 3\times4^{(15-3+1)-1}=50331648.\end{cases}$

(93) $2\times4^{12}=33554432.$

(94) $10-\left\{10\times\left(1-\frac{1}{10}\right)^{4}\right\}=3.439$

(95) $\begin{cases}\sqrt[5]{\frac{64}{486}}=\frac{2}{3}\\ 486\times\left(1-\frac{2}{3}\right)=162.\end{cases}$

(96) $8\times5+\frac{(5-1)\times5\times4}{2}=80.^{\text{甲}}$

$\frac{(2^{5}-1)\times3}{2-1}=93.^{\text{乙}}\qquad \begin{array}{r}93.\\ +80.\\ \hline 173.\end{array}$

(97) $\frac{0\times\left(1-\frac{4}{10}\right)-1}{\left(1-\frac{4}{10}\right)-1}=2.5$

(98) $\left(\frac{0\times\frac{3}{5}-8}{\frac{3}{5}-1}\right)\times2=40.$

(99) $\begin{cases}1\times2^{30-1}=536870912.\\ \frac{(2^{30}-1)\times1}{2-1}=1073741823.\end{cases}$

(100) $1\times2^{50-1}=5629499534$″

″$21312\div64827=$″

″$8683880997.^{\text{北}}\quad 28793.^{\text{秒}}$

求積法

(1) $16\times9\div2=72.$

(2) $72.5\times38\div2=1377.5$

(3) $65.5\times48\div2=\,30\overline{)1572.}$

$52.12.$ 反畝 歩

(4) $18\frac{3}{6}\times15\frac{18}{60}\div2=\,30\overline{)141.525}$

$4.21.525$ 畝 歩

(5) $56\frac{36}{60}\times37\frac{12}{60}\div2=\,30\overline{)1052.76}$

$35.2.76$ 反畝 歩

(6) $96\times2\div16=12.$

(7) $(29\times30+29)\times2\div34\frac{18}{60}=51.4.$ 間尺

(8) $8\times12\div2=48.$

(9) $37\times(1\times60+58)\div2=2183.$

(10) $15\times24\div2=\,30\overline{)180.}$

6 畝

(11) $13\frac{42}{60}\times20\frac{3}{6}\div2=\,30\overline{)140.425}$

$4.20.425$ 畝 歩

(12) $187\times2\div17=22.$

(13) $(4\times30+22)\times2\div21\frac{18}{60}=13.2.$ 間尺

(14) $8^{2}\times0.433=27.712$

(15) $15^{2}\times0.433=97.425$

(16) $42^{2}\times0.433=\,30\overline{)763.812}$

25.13812 反畝 歩

(17) $\left(16\frac{24}{60}\right)^{2}\times0.433=\,30\overline{)116.45968}$

$3.26.45968$ 畝 歩

(18) $\sqrt{315.657\div0.433}=27.$

(19) $\sqrt{(29\times30+6.825)\div0.433}$

$=45.$

(20) $\sqrt{(2\times30+7.65625)\div0.433}=12.5$

(21) $15^2=225.$

(22) $36^2=1296.$

(23) $52.5^2=2756.25$
$30\overline{)\,91.26.25}$
反畝　歩

(24) $\left(112\frac{15}{60}\right)^2=12600.0625$
$30\overline{)\,420.00625}$
町反畝　歩

(25) $18^2\div2=162.$
$30\overline{)\,5.12.}$
畝　歩

(26) $20\times16=320.$

(27) $136\times97=13192.$
$30\overline{)\,439.22.}$
町反畝　歩

(28) $12\times9=108.$

(29) $25\frac{42}{60}\times17=436.9$
$30\overline{)\,14.16.9}$
反畝　歩

(30) $124\times84.5\div2=5239.$
$30\overline{)\,174.19.}$
町反畝　歩

(31) $(5+8)\times6\div2=39.$

(32) $(12+20)\times15\div2=240.$
$30\overline{)\,8.}$
畝

(33) $\left(34\frac{2}{6}+68\frac{4}{6}\right)\times42\div2=2163.$
$30\overline{)\,72.3.}$
反畝歩

(34) $92\times2\div8-9=14.$

(35) $110\times30\times2\div50-87=45.$

(86) $(15+3)\times12\div2=108.$

(37) $(118+48)\times95\div2=7885.$
$30\overline{)\,262.25.}$
町反畝　歩

(38) $\left(15\frac{1}{2}+9\frac{24}{60}\right)\times16\div2=199.2$
$30\overline{)\,6.19.2}$
畝　歩

(39) $644\times2\div(32+14)=28.$

(40) $19.565\times2\div4\frac{18}{60}-6\frac{36}{60}=2\frac{1}{2}$

(41) $$\begin{cases}(12+14+16)\div2=21.\\ \sqrt{21\times(21-12)\times(21-14)\times(21-16)}=81.332+\end{cases}$$

(42) $$\begin{cases}(23+36+47)\div2=53.\\ \sqrt{53\times(53-23)\times(53-36)\times(53-47)}=402.715+\end{cases}$$
$30\overline{)\,13.12.715+}$
反畝　歩

(43) $\left(8\frac{4}{6}+12\frac{3}{6}+14\frac{5}{6}\right)\div2=18$
$\sqrt{18\times\left(18-8\frac{4}{6}\right)\times\left(18-12\frac{3}{6}\right)\times\left(18-14\frac{5}{6}\right)}=54.092+$
$30\overline{)\,1.24.092+}$
畝　歩

(44) $(7+8+10)\div2=12.5$

$\sqrt{12.5\times(12.5-7)\times(12.5-8)\times(12.5-10)}=27.8107+$
$(6+9+10)\div2=12.5$
$\sqrt{12.5\times(12.5-6)\times(12.5-9)\times(12.5-10)}=26.6634+$

$$\begin{array}{r}27.8107\\ +\,26.6634\\ \hline 54.4741\end{array}\div30=1.24.4741+$$
畝　歩

(45) $5^2\times1.72=43.$

(46) $7^2\times2.598=127302$

(47) $3.5^2\times3.634=44.5165$

(48) $2.5^2\times4.828=30.175$

(49) $7.5^2\times6.188=348.075$

(50) $8.2^2\times7.694=517.34456$

(51) $25\times3.1416=78.54$

(52) $120\times3.1416=376.992$

(53) $15\frac{3}{6}\times3.1416=\overset{間}{48}.6948$
$\times\ \ 6$
$\underset{尺}{4}.1688$

(54) $(15\times6+4.248)\div3.1416=30.$

(55) $47.124\div3.1416=15.$

(56) $6^2\times0.7854=28.2744$

(57) $56^2\times0.7854=2463.0144$

(58) $28.5^2\times0.7854=637.94115$
$30)\ \underset{反畝}{21}.\underset{歩}{7}.94115$

(59) $\sqrt{176.715\div0.7854}=15.$

(60) $\sqrt{(16\times30+10.875)\div0.7854}=25.$

(61) $36\times25\div2=450.$

(62) $236\times12\div2=1416.$

(63) $(54\times30+12)\times2\div24=136.$

(64) $\left\{\begin{array}{l}\overset{周度}{360}:\overset{周長}{9\times2\times3.1416}=25:x=3.927\\3.927\times9\div2=17.6715\end{array}\right.$

(65) $\left\{\begin{array}{l}360:18\times2\times3.1416=75:x=23.562\\23.562\times18\div2=212.058\end{array}\right.$
$30)\ \underset{畝}{7}.\underset{歩}{2}.058$

(66) $(18^2-12^2)\times0.7854=141.372$

(67) $(56^2-48^2)\times0.7854=653.4528$
$30)\ \underset{反畝}{21}.\underset{歩}{23}.4528$

(68) $\left\{\left(16\frac{35}{60}\right)^2-\left(13\frac{15}{60}\right)^2\right\}\times0.7854=78.1036+$

(69) $\sqrt{1130.976\div0.7854+9^2}=15.$

(70) $\sqrt{56^2-(21\times30+23.4528)\div0.7854}=48.$

(71) $36^2\times3.1416=4071.5136$

(72) $25^2\times3.1416=1963.5$

(73) $\left(28\frac{15}{60}\right)^2\times3.1416=2507.19315$

(74) $\sqrt{452.3904\div3.1416}=12.$

(75) $\sqrt{3216.9984\div3.1416}=32.$

(76) $15^3\times0.5236=1767.15$

(77) $72^3\times05236=195432.6528$

(78) $125^3\times0.5236=1022656.25$

(79) $\sqrt[3]{268.0832\div0.5236}=8.$

(80) $\sqrt[3]{818.125\div0.5236}=25.$

(81) $6\times3\times12=216.$

(82) $16\times3\times28+16^2\times0.433\times2=$〃
〃1565.696

(83) $65\times3\times112+65^2\times0.433\times2=$〃
〃25498.85

(84) $7.5^2\times0.433\times12.5=304.453125$

(85) $32^2\times0.433\times(1\times60+25)=$〃
〃37688.32

(86) $5\times4\times13+5^2\times2=310.$

(87) $12\times4\times36+12^2\times2=2016.$

(88) $4.2^2\times36.5=643.86$

(89) $27^2\times6=4374.$

(90) $45^3=91125.$

(91) $\{3\times2+(3+2)\times7\}\times2=82.$

(92) $\{45\times32+(45+32)\times57\}\times2$〃
〃$=11658.$

(93) $15\times9\times25=3375.$

(94) $4.25\times23.2\times(1\times60+23)=$〃
〃$8183.8.$

(95) $12800\div25\times16=32.$

(96) $36.75\div3\frac{1}{2}\times4\frac{4}{6}=\overset{\text{間}}{2}.\ \overset{\text{尺}}{1}\overset{\text{寸}}{5}.$

(97) $12\times3.1416\times21=791.6832$

(98) $25\times3.1416\times37.5+25^2\times$〃
〃$0.7854\times2=3927.$

(99) $\begin{cases}75\times3.1416\times(1\times60+24)+75\times\text{〃}\\ \text{〃}0.7854\times2=28627.83\end{cases}$

(100) $392.7\div5\times3.1416=25.$

(101) $12.5^2\times0.7854\times40=4908.75$

(102) $25^2\times0.7854\times36=17671.5$

(103) $\sqrt{235.62\div12\times0.7854}=5.$

(104) $7\times5\times13=455.$

(105) $15\times5\times45+15^2\times1.72\times2=4149.$

(106) $7.5^2\times1.72\times14.4=1393.2$

(107) $6\times6\times15=540.$

(108) $\begin{cases}13\times6\times(1\times60+2.5)+13^2\times\text{〃}\\ \text{〃}2.598\times2=5753.124\end{cases}$

(109) $25^2\times2.598\times(2\times60+12)=$〃
〃$214335.$

(110) $519.6\div5^2\times2.598=8$

(111) $\begin{cases}\sqrt{5^2-(6\div2)^2}=4.\\ 6\times3\times4\div2=36.\end{cases}$

(112) $\sqrt{10^2-(12\div2)^2}=8.$
$(12\times8\div2)\times3+12^2\times0.433$〃
〃$=206.352$

(113) $18^2\times0.433\times25\div3=1169.1$

(114) $\begin{cases}\sqrt{5^2-(6\div2)^2}=4.\\ 6\times4\times4\div2=48.\end{cases}$

(115) $21.5^2\times36\div3=5547.$

(116) $\sqrt{77.76\times3\div8}=5.4$

(117) $12.5\times3.1416\times24\div2=471.24$

(118) $25.5\times3.1416\times35\div2+25.5^2\times0.785$
$4=1912.64535$

(119) $38^2\times0.7854\times45\div3=17011.764$

(120) $37.6992\times3\div6^2\times0.7854=4.$
$\sqrt{4^2+(6\div2)^2}=5.$

(121) $(6^2+9^2+6\times9)\times8\div3=456.$

(122) $(12^2+18^2+12\times18)\times15\div3=$
$3420.$

(123) $(32^2+57^2+32\times57)\times45\div3$
$=91455.$

(124) $(64+144+\sqrt{64\times144})\times12$
$\div3=1216.$

(125) $(169+289+\sqrt{169\times289})\times$
$18\div3=4074.$

(126) $741\times3\div(7^2+11^2+7\times11)=9.$

(127) $(27+48+\sqrt{27\times48})\times9\div3=$
$333.$

(128) $(4^2+6^2+4\times6)\times0.7854\times5$
$\div3=99.484$

(129) $(9^2+12^2+9\times12)\times0.7854\times8\div3=$
697.4352

(130) $(10^2+15^2+10\times15)\times0.7854\times18$
$\div3=2238.39$

(131) $(18+32+\sqrt{18\times32})\times6\div3=148.$

(132) $(50+72+\sqrt{50\times72})\times9\div3=546.$

(133) $\begin{cases}15.07968\div3.1416=4.8\\ 25.1328\div3.1416=8.\\ (4.8^2+8^2+4.8\times8)\times0.7854\times8\div3\\ \quad=295.561728\end{cases}$

(134) $\{(4\times6+3\times8)\div2+4\times3+8\times6\}\times$
$7.5\div3=210.$

(135) $\{(8\times10+5\times12)\div2+8\times5+$
$12\times10\}\times9\div3=690.$

(136) $\{(4.8\times6.5+2.5\times7.2)\div2+4.8$
$\times2.5+7.2\times6.5\}\times5.4\div3=150.12$

(137) $1508\times3\div\{(12\times18+8\times25)\div$
$2+12\times8+25\times18\}=6.$

(188) $2.4^2\times0.433\times4=9.97632$

(139) $3.2^2\times0.433\times4=17.73568$

(140) $3.6^3\times0.11785=5.4984096$

(141) $6.4^3\times0.11785=30.8936704$

(142) $\begin{cases}\sqrt{62.352\div0.433}=12.\\ 12^3\times0.11785=203.6448\end{cases}$

(143) $2.5\times1.2\times6\div2=9.$

(144) $8.5\times3.2\times9.5\div2=129.2$

(145) $27.3\times2\div3.5\times2=7.8$

(146) $22.68\times2\div1.2\times8.4=4.5$

(147) $(6\times2+5)\times2.5\times12\div6=85.$

(148) $(3.6\times2+1.6)\times2.4\times2.8\div6=9.856$

(149) $(27\times2+56)\times16\times18\div6=5280.$

(150) $76\times6\div(7\times2+5)\times3=8.$

(151) $5\times4\times9\div6=30.$

(152) $3.6\times2.4\times4.5\div6=6.48$

(153) $84.63\times6\div8.4\times6.5=9.3$

(154) $25\times16\times0.7854=314.16$

(155) $32.5\times24\times0.7854=612.612$

(156) $47.124\div12\times0.7854=5.$

(157) $333.795\div17\times0.7854=25.$

(158) $8\times5\times3.1416=125.664$

(159) $25\times8\times3.1416=628.32$

(160) $8^2\times15\times0.5236=502.656$

(161) $12^2\times17.5\times0.5236=1319.472$

(162) $20.944\div2.5^2\times0.5236=6.4$

(163) $\sqrt{90.47808\div7.5\times0.5236}=4.8$

(164) $15\times9\times3.1416=424.116$

(165) $16\times7.5\times3.1416=376.992$

(166) $16^2\times5\times0.5236=670.208$

(167) $24^2\times7.5\times0.5236=2261.952$

(168) $167.552\div8^2\times0.5236=5.$

(169) $\sqrt{1295.91\div11\times0.5236}=15.$

(170) $$\begin{cases} 3 : \underset{6}{2)\underline{12}} = \underset{6}{2)\underline{12}} : x=12. \\ (12+3)\times3.1416\times3=141.372 \end{cases}$$

(171) $$\begin{cases} 4 : \underset{8}{2)\underline{16}} = \underset{8}{2)\underline{16}} : x=16. \\ (16+4)\times3.1416\times4=251.328 \end{cases}$$

(172) $$6 : \underset{12}{2)\underline{24}} = \underset{12}{2)\underline{24}} : x=24.$$

$$(24+6)\times3.1416\times6+24^2\times0.7854=1017.8784$$

(173) $(4\times2)^2\times0.7854\times3\div2+3^3\times0.5236=89.5356$

(174) $15^2\times0.7854\times4\div2+4^3\times0.5236=386.9404$

(175) $$\begin{cases} 43.9824\div3.1416=14. \\ 14^2\times0.7854\times5\div2+5^3\times0.5236=450.296 \end{cases}$$

(176) $12\times\left(\frac{12}{3.1416}\div4\right)-(12\div4)^2=2.4591+$

(177) $18\div(1+2)\times2=3.$ 横 $3\times2=6.$ 縦

$18\times\left(\frac{18}{3.1416}\div4\right)-6\times3=7.783+$

(178) $(2\times6+4)\div(1+3)\times2=2.$ 横 $2\times3=6.$ 縦

$\{(2\times6+4)\div4\}^2-6\times2=4.$

(179) $(15\div5)^2\times1.72-(15\div3)^2\times0.433=4.655$

(180) $3.5^2\times2\times0.7854=19.2423$

(181) $(6^2+4^2)\times0.7854=40.8408$

(182) $(7.5\times2)^2\times0.7854=176.715$

(183) $25^2-25^2\times0.7854=134.125$

(184) $15.50485\div(1^2-1^2\times0.7854)=72.25$

(185) $\{48.285\div(1^2-1^2\times0.7854)\}\times$〃

〃$0.7854=176.715$

(186) $5.$
$-3.$
$2:5=14:x=35.$

$2:3=14:x=21.$

$35\times21=735.$

$30)\overline{24.15.}$
反畝歩

(187) $\sqrt{180\times4+3^2}=27.$ 縦横ノ和

$(27+3)\div2=15.$ 縦

$(27-3)\div2=12.$ 横

(188) $\sqrt{1500\times30\times4+70^2}=430.$

$(430+70)\div2=250.$ 縦

$(430-70)\div2=180.$ 横

(189) $\sqrt{30^2-221\times4}=4$ 縦横ノ差

$(30+4)\div2=17.$ 縦

$(30-4)\div2=13.$ 横

(190) $\sqrt{(160\div2)^2-50\times30\times4}=20.$

$\{(160\div2)+20\}\div2=50.$ 縦

$\{(160\div2)-20\}\div2=30.$ 横

(191) $81\times(16\div2)\div2=324.$

$30)\overline{10.24.}$
反畝歩

(192) $24^2\div2=288.$

$30)\overline{9.18.}$
畝歩

(193) $6:\overset{2)36}{18}=\overset{2)36}{18}:x=54.$

$(54+6)^2\times0.7854=2827.44$

(194) $(46\times30+20)\div25=56.$ 横

$(56+25)\times56=4536.$

$30)\overline{151.6.}$
町反畝歩

(195) $1^2\times0.7854-(1^2\div2)=28.54$

(196) $(25^2-15^2)\times3.1416=1256.64+$

(197) $\sqrt[3]{12288\div3\times2\times4}=8.$

$3\times8=24.$ 縦 $2\times8=16.$ 横

$4\times8=32.$ 高

(198) $\sqrt[3]{424.116-5^2\times0.7854\times8}=3.$

$5\times3=15.$ 中径 $8\times3=24.$ 高

(199) $\sqrt[3]{9250\div(3^2+4^2+3\times4)\times\frac{6}{9}}=5.$

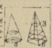
$3\times5=15.$ 上

$4\times5=20.$ 下 $6\times5=30.$ 高

(200) $49\times42\times(1\times6+0.8)\div64.827=$〃
〃$2000.$

(201) $(25^2+20^2+25\times20)\times0.7854\times\frac{13}{3}$〃
〃$\div64.827=110.85+$

(202)
$\sqrt[3]{80\times64.827\div(8^2+7^2+8\times7)\times}$〃
〃$\overline{0.7854\times\frac{12}{3}}=1.541+$
$8\times1.541=12.33+$
$7\times1.541=10.79+$
$12\times1.541=18.49+$



(203) $1:5^3=\frac{1}{2}:x^3=62.5\quad x=3.968+$

(204)
$6^3:1=3^3:x=\frac{1}{8}\quad(1-\frac{1}{8})\div3=\frac{7}{24}$
$1:6^3=1-\frac{7}{24}:x^3\quad x=5.34+$
$1:6^3=1-\frac{7}{24}\times2:x^3\quad x=4.48+$

(205)
$12^3:1=8^3:x=\frac{8}{27}$
$(1-\frac{8}{27})\div4=\frac{19}{108}$
$1:12^3=1-\frac{19}{108}:x^3\quad x=11.2+$
$1:12^3=1-\frac{19}{108}\times2:x^3\quad x=10.38+$
$1:12^3=1-\frac{19}{108}\times3:x^3\quad x=9.34+$

(206) $5^2\times0.433-(5^2\times0.7854\div2)=$〃
〃1.0075

(207)
$6\div2:x=x:24\div2$
$x^2=3\times12=36.\quad x=6.$
$(6+24)\times6\times2\div2=180.$

(208) $(1\times36\times60)^2\times225=1049760000.$
$30)\overline{34992000.}$

(209) $7:152=10.5:x=228.$

(210) $25^2\times3.1416-25\times3.1416\times25=0$

復習雜問

(1)
$130+56+215.5=401.5$
$72.5+147+65=284.5$
$401.5-343=58.5$　$2)\underline{686.}$
$343.$

(2) $(1800+390)\div365=6.$

(3) $36\times98-3253=275.$

(4) $10000\div5=2000.$

(5) $56+162+78=286.$

(6) $\{30\div(6-1)\}\times3.5=21.$

(7) $(8+1)\times(12+1)=117.$

(8) $65-1000\div25=25.$

(9) $100-1=99.$

(10) $48\times48\times3=6912.$

(11) $(1200+24)\div24=51.$

(12) $(1000+50\times2+30\times3+$〃
〃$10\times4+20)\div25=50.$

(13)
$\{282-(35+98\times2)\}\div3=17.$ 海棠
$17+98=115.\quad115+35=150.$ 梅

(14) $12)\overline{117}(9$
$\underline{108}$
$9.$

(15)
$22.$
$\underline{+\ 2.}$
$24.$
$\underline{\times\ 2.}$
$48.$
$\underline{+\ 2.}$
50×2〃
〃$=100$

(16) $210-137+1=74.$

(17) $(750+312)\times2-2\times4$〃
〃$=2116.$

(18) $365\div7+1=53.$

(19) 1×36×60×6÷12=1080.

(20) 6×8×5.5+(15.6)×8×3.5=516.

(21) {(120×36+19)×60+25}×6+,

(22)
```
   10000.
30)333.10.
```

(23) ,2=1562192.
```
365|46000|126.
    365
    950
    730
    2200
    2190
7|10|1.週
   7
   3日
```

(24) 125×160+50=,
,20050.

(25) 11010÷(805×30+,
,25)=12.

(26) 74×30÷(3×30+10+2×30+,
,25)=12.

　　　斤　　匁　　　斤　匁
(27) (202. 55)÷25=8. 15.

　　日　時　分　　　日　時　分
(28) (5. 10. 30)×18=3. 21. 9.

　　度　分　秒　　　度　分　秒
(29) (2. 35. 40)×25=64. 51. 40.

　　里　町　間　　　里　町　間
(30) (9. 15. 30)×5=47. 5. 30.

(31) {(3×4+2)×4+3}×6.25=,
,368.75

　　里　町　間　　　里　町　間
(32) (9. 8. 28.)×32=295. 18. 56.

　　斤　斤　両　匁　斤　両　匁　斤
(33) 30.−(16. 10. 2.+8. 36. 3.)=4.,
　　　　　　　　　　　　両　匁
　　　　　　　　　　　,32. 3.

　　里　町　間
(34) (1. 31. 30.)×(12−8+,
,5−1)=15.里

(35) {(2×36+12)×60+18}×{(1×36+,
,33)×60+28}=21081744
```
30)702724.24.
```

(36)
```
  1. 6. 36. 30.
−    2. 50. 40.
  1. 3. 45. 50.
  日  時  分  秒
```

(57) 90÷8=11.度 15.分

(38) [{(148×36+12)×60+11}×6+4]+,
,[{(13×36+17)×60+28}×6+2]=11.

(39)
```
    15.
  ×17.
   105
   15
30)255(8.
   240
    15.歩
```

(40)
```
   20.
 +110.
  130.
 − 31.十二月
   99.
 − 30.十一月
   69.
 − 31.十月
   38.ク

   38
 − 31八月
    7
 −  1
  九月6.
```

(41)
```
  18.
 +75.
  93.
 −31.十二月
  62.
 −30.十一月
  32.
 − 1.
  31.十月
```

(42)
```
    3.
 +157.
  160.
 − 31.七月
  129.
 − 31.八月
   98.
 − 30.九月
   68.
 − 31.十月
   37.
 − 30.十一月
    7.
 −  1.
    6.十二月
```

```
  363.試  0.歩
 −  8.   15.
  354.   15.
   試    歩
```

(43)
```
  57.      31.
 − 8.九月 −18.
  49.      13.七月
 −31.八月  +1.
  18.      14.七月
```

(44)
```
  17.年  9.月
 − 8.    7.
   9.    2.
 +       1.
   9.年  3.月
```

(45)
```
  17.  9.
 −12.  7.
   5.  2.
 + 7.  9.
  12. 11.
```

(46)

```
1518|2093|1
    |1518|
      575|1518|2
         |1150|
           368|575|1
              |368|
               207|368|1
                  |207|
                   161|207|1
                      |161|
                        46|161|3
                          |138|      2
                            23|46|
                              |46|
                                0
```

(47)

```
 3)6. 18. 39. 78.
 2)2.  6. 13. 26.
13)1.  3. 13. 13.
   1.  3.  1.  1.
```

$3\times2\times13\times3=234.$

(48) $3\frac{1}{2}+4\frac{2}{3}-5\frac{1}{6}=3.$

(49) $20-7\frac{7}{12}=12\frac{5}{12}$

(50) $3\frac{1}{3}\times\frac{6}{5}\div2\frac{3}{4}=1\frac{5}{11}$

(51) $\frac{12+3}{24}=\frac{15}{24}=\frac{5}{8}$

(52) $1\div(\frac{1}{6}+\frac{1}{9})=3\frac{3}{5}$

(53) $(1-\frac{1}{3})\times(1-\frac{1}{4})\times(1-\frac{1}{5})=\frac{2}{5}$

(54) $8\div(1-\frac{1}{3})^4=40.5$

(55)
$$\begin{cases}14\div(\frac{1}{3}-\frac{1}{5})=105.\\ 105\div3=35\text{馬}.\\ 105\div5=21\text{牛}.\\ 105\div7=15\text{鹿}.\end{cases}$$

(56) $\left\{1-3\times(\frac{1}{8}+\frac{1}{18})\right\}\div\frac{1}{8}=3\frac{2}{3}$

(57) $48\div(\frac{5}{6}-\frac{2}{3})=288.$

(58) $20\div(\frac{1}{4}\times5-1)=80.$

(59) $56\div(\frac{1}{5}\times3+\frac{1}{3})=60.$

(60) $3\div\left\{\frac{1}{2}-(\frac{1}{3}+\frac{1}{10})\right\}=45.$

(61)
$$\begin{cases}20\div(1-\frac{5}{8})\times(1-\frac{2}{9})\times(1-\frac{3}{7})=120.\\ 120\times\frac{5}{8}=75.\\ (120-75)\times\frac{2}{9}=10\text{乙}.\\ \{120-(75+10)\}\times\frac{3}{7}=15\text{丙}.\end{cases}$$

(62) $(300+100-80)\div(\frac{1}{2}+\frac{1}{3}+\frac{1}{4}-1)$

$=3840.$

$3840\div2-300=1620\text{甲}.$

$3840\div3-100=1180\text{乙}.$

$3840\div4+80=1040\text{丙}.$

(63) $\frac{25}{1000}=\frac{1}{40}$

(64) $100\div1.\dot{6}\dot{6}\dot{6}=100\div1\frac{6}{9}=60.$

(65) $\{(3\times40+22)\times4+2\}\div1.5=$〃

〃380

(66)
$$\begin{cases}(22\times6+3)\div2.5=54\\ (22\times6+3)\div3=45.\end{cases}$$

$9.$

(67) $\frac{7}{125}=0.056$

(68) $0.375=\frac{375}{1000}=\frac{3}{8}$

(69) $0.125-\frac{1}{8}=\frac{125}{1000}-\frac{1}{8}=\frac{1}{8}-\frac{1}{8}=0.$

(70) $0.\dot{2}\dot{7}=\frac{27}{99}=\frac{3}{11}$

(71)
$$\begin{cases}0.75-(0.\dot{1}\dot{8}+0.\dot{5}\dot{4})=\frac{75}{100}-〃\\ 〃0.\dot{7}\dot{2}=\frac{3}{4}-\frac{72}{99}=\frac{3}{4}-\frac{8}{11}=\frac{1}{44}\end{cases}$$

(72) $\left\{\begin{array}{l}\overset{里}{3}.\ \overset{町}{14}.\ \overset{間}{13}.\ \overset{尺}{2}.\\ \frac{2}{6}=\frac{1}{3}\quad 13\frac{1}{3}\div 60=\frac{40}{3}\times\frac{1}{60}=\frac{2}{9}\\ 14\frac{2}{9}\div 36=\frac{128}{9}\times\frac{1}{36}=\frac{32}{81}\quad 3\frac{32}{81}\end{array}\right.$

(73) $\overset{日}{5}.\ \overset{時}{3}.\ \overset{分}{7}.\ \overset{秒}{80}.$

$60\overline{)80.}$
0.5
$+7.$
$60\overline{)7.5}$
0.125
$+3.$
$24\overline{)3.125}$
0.1302084
$+5.$
5.1302084

(74)
$\overset{井}{5.3875}$
$\times\ 40$
町15.5
$\times\ 4.$
$62.$

(75)
里7.3
$\times 36.$
町10.8
$\times\ 60.$
$48.$
間

(76)
162.36
$24\,\big|\,162\,\big|\,\overset{町}{6.}$
144
$\overset{時}{18.}$

0.36
$\times\ 60.$
分21.6
$\times\ 60.$
秒$36.$

(77) $21:94.5=2.5:\mathcal{X}=11.25$

(78) $100:25=500:\mathcal{X}=125$

(79) $160:360=120:\mathcal{X}=270.$

(80) $\left\{\begin{array}{l}3\times 40+15:5=1575:\mathcal{X}=63.\ \text{運賃}\\ 1575-63=1512.\ \text{實本}\end{array}\right.$

(81) $28:700=28-18+1:\mathcal{X}=275.$

(82) $58\times 30+18:804=10\times 30:\mathcal{X}=150.$

(83) $1\frac{7}{8}:1\frac{5}{9}=7.5:\mathcal{X}=6\frac{2}{9}$

(84) $8:1.2=15:\mathcal{X}=2.25$

(85) $150:450=150+30:\mathcal{X}=540.$

(86) $15\times\frac{4}{5}:20=15:\mathcal{X}=25-20=5.$

(87) $1\times 12+3:4500=6:\mathcal{X}=1800.$
$4500-1800=2700.$

(88) $\left.\begin{array}{r}9\\260\end{array}\right\}:54=\left.\begin{array}{r}6\\13\end{array}\right\}:\mathcal{X}=18$

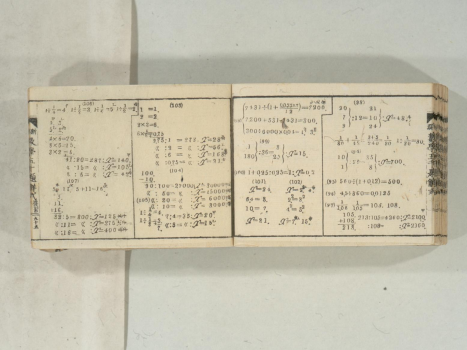
(89) $\left.\begin{array}{r}8\\3\end{array}\right\}:45=\left.\begin{array}{r}8.5\\2\frac{15}{60}\end{array}\right\}:\mathcal{X}=520.625$

(90) $\left.\begin{array}{r}1200\\2.5\end{array}\right\}:0.15=\left.\begin{array}{r}800\\4\end{array}\right\}:\mathcal{X}=0.16$

(91) $\left.\begin{array}{r}8\\7\\\frac{3}{7}\end{array}\right\}:140=\left.\begin{array}{r}10\\9\\1-\frac{3}{7}\end{array}\right\}:\mathcal{X}=300.$
$-140.$
$160.$

(92) $\left.\begin{array}{r}6-4\\5\end{array}\right\}:90=\left.\begin{array}{r}4\\18-5\end{array}\right\}:\mathcal{X}=468.$
$-90.$
$378.$

(93) $\left.\begin{array}{r}9\\7\\9\end{array}\right\}:14=\left.\begin{array}{r}15\\9\\24\end{array}\right\}:\mathcal{X}=80.$



(93)

$$\left.\begin{matrix}20\\7\\9\end{matrix}\right\}:12=\left.\begin{matrix}21\\10\\24\end{matrix}\right\}:x=48.^{4}$$

$$\frac{1}{80}+\frac{1}{48}=\frac{3+5}{240}=\frac{1}{30}\quad 1\div\frac{1}{30}=30.$$

(94)

$$\left.\begin{matrix}10\\1\end{matrix}\right\}:25=\left.\begin{matrix}35\\8\end{matrix}\right\}:x=700.$$

(95) $560\div(1+0.12)=500.$

(96) $4.5\div360=0.0125$

(97) $\frac{1}{1.08}\quad\frac{1}{1.05}=105.\ 108.$

$$\begin{array}{r}105.\\+108.\\\hline 213.\end{array}\quad\begin{array}{l}213:105=4260:x=2100.\\\qquad:108=\qquad:x=2160.\end{array}$$

(98)

$$\begin{cases}7431\div\left(1+\frac{0.055\times7}{12}\right)=7200.\\7200+531-7431=300.\\300\div6000\times0.04=1.^{4}\ 3.\end{cases}$$

(99)

$$\left.\begin{matrix}1\\180\end{matrix}\right\}:36=\left.\begin{matrix}3\\25\end{matrix}\right\}:x=15.$$

(100) $1+0.25:0.25=1:x=0.2$

(101)

$x=24.$

$6.4=8.$

$10.=7.$

$x=21.$

(102)

$x=2.\ 4.$

$2.^{2}=3.^{2}$

$4^{2}=5.^{2}$

$x=7.\ 15.$

(103)

$1\ =1.$

$2\ =2.$

$2\times3=6.$

$6\times\frac{1}{8}=0.75$

$$\begin{array}{l}9.75:1\ =273.\ x=28\\《\ :2\ =\ 《\ :x=56.\\《\ :6\ =\ 《\ :x=168.\\《\ :0.75=\ 《\ :x=21.\end{array}$$

(104)

$$\begin{array}{r}100.\\-10.\\\hline 90\end{array}\begin{array}{l}:100=27000:x=30000.\\《\ :\ 50=\ 《\ :x=15000.\end{array}$$

(105)

$$\begin{array}{l}《:\ 20=\ 《\ :x=6000.\\《:\ 10=\ 《\ :x=3000.\end{array}$$

$1\div\frac{1}{4}=4.\quad 7:4=35:x=20.$

$1\div\frac{1}{3}=3.\quad 《:3=《:x=15.$

$\overline{7.}$

(106)

$1\div\frac{1}{4}=4.\ 1\div\frac{1}{3}=3.\ 1\div\frac{1}{5}=5.\ 1\div\frac{1}{2}=2.$

$4.\ 3.$

$\underline{5.\ 2.}$

$4\times5=20.$

$3\times5=15.$

$3\times2=6.$

$$\begin{array}{l}41:20=287:x=140.\\《\ :15=\ 《\ :x=105.\\《\ :\ 6=\ 《\ :x=42.\end{array}$$

(107)

$5.\ 11.\ 5+11=16.$

$$\begin{array}{r}5.\\11.\\+16.\\\hline 32\end{array}\begin{array}{l}:5=800:x=125.\\《\ :11=\ 《\ :x=275.\\《\ :16=\ 《\ :x=400\end{array}$$

(108)

$1 \div \frac{2}{5} = \frac{5}{2} \times 6 = 15.$

$1 \div \frac{3}{7} = \frac{7}{3} \times 6 = 14.$

$1 \div \frac{1}{2} = 2 \times 6 = 12.$

$41.$

$41 : 15 = 369 : x = 135$ 甲

《 $: 14 =$ 《 $: x = 126$ 乙

《 $: 12 =$ 《 $: x = 108$ 丙

甲 乙 (109)

$3.\ 2.$

$5.$ 乙 $4.$ 丙

$3 \times 5 = 15.$

$2 \times 5 = 10.$

$2 \times 4 = 8.$

$33 : 15 = 165 : x = 75$ 甲

《 $: 10 =$ 《 $: x = 50$ 乙

《 $: 8 =$ 《 $: x = 40$ 丙

(110)

$0.7 \times 8 = 5.6$

$0.3 \times 3 = 0.9$

$6.5 : 0.7 = 325 : x = 35$ [illegible]

《 $: 0.3 =$ 《 $: x = 15$ [illegible]

(111)

$1 \div \frac{1}{2} = 2.$

$1 \div \frac{1}{3} = 3.$

$1 \div \frac{1}{5} = 5.$

$10 : 2 = 950 : x = 190$ [illegible]

《 $: 3 =$ 《 $: x = 285$ 梨

《 $: 5 =$ 《 $: x = 475$ 柿

(112) $(675 + 125 + 250) \times (1 + 0.1) = 1215.$

(113) $\begin{cases} (48 + 36) \div (1 + 0.2) = 70. \\ (87.5 - 70) \div 70 = 0.25 \end{cases}$

(114) $\begin{cases} 1080 \div (1 - 0.1) = 12. \\ (12 + 1) \div 1.3 = 10. \\ 1200 \div 240 \times 10 = 0.5 \end{cases}$

(115) $21 \times 3 \div 7 = 9$ [illegible] $9 + 3 = 12.$ [illegible]

(116) $(25 \times 40 + 75 \times 10 + 50 \times 100) \div (40 + 10 + 100) = 45.$

(117) $(1100 + 2160) \div (50 + 120 + 30) = 16.3$

(118) $2 \begin{Bmatrix} 1 \\ 5 \\ 10 \end{Bmatrix} \begin{matrix} 3 + 8 = 11. \\ 1 \text{-----} 1. \\ 1 \text{-----} 1. \\ \hline 18. \end{matrix}$

$13 : 11 = 52 : x = 44$ [illegible]

《 $: 1 =$ 《 $: x = 4$ [illegible]

《 $: 1 =$ 《 $: x = 4$ [illegible]

(119)

357

$\cancel{2198}$

$\cancel{1998}$

$\cancel{172}$

86

$\begin{cases} \cancel{35} \ 5 \\ \cancel{21} \ 3 \end{cases}$

$357 \begin{cases} 430 & 99. \\ 258 & 77. \\ & 172. \end{cases}$

(120)

$\frac{500 - 5}{55} \begin{cases} 5 \\ 7 \\ 10 \end{cases}$

$9 \begin{cases} 5 & 1 & 1. \\ 7 & 1 \times 2 & 2. \\ 10 & 2 \times 2 + 4 & 8. \\ & & \overline{11} \end{cases}$

$11 : 1 = 55 : x = 5$ [illegible]

《 $: 2 =$ 《 $: x = 10$ [illegible]

《 $: 8 =$ 《 $: x = 40$ [illegible]

(121) $\begin{cases} 14 \div (20 - 18) = 7. \\ 7 \times 20 = 140. \end{cases}$ 枚

(122) $\begin{cases} (11 + 13) \div (9 - 6) = 8. \text{人} \\ 8 \times 6 + 11 = 59. \end{cases}$

(123) $\left\{\begin{array}{l}24\div(34-24)\times 2=4^{\text{麦}}\\ 34-24-4=6^{\text{米}}\end{array}\right.$

(124) $1629\div(3\times540+4\times500)=0.45$

(125) $1^{\text{甲}}\quad \frac{2}{7}^{\text{丙}}-\quad 7^{\text{乙}}\quad 2^{\text{丙}}$

$\begin{array}{r}7\\7\\+2\\\hline 16\end{array}\qquad \begin{array}{r}61\\-13\\\hline 48\end{array}$

$16:7=48:x=21 \cdots\cdots 21$

$〃:7=〃:x=21^{\text{乙}}\qquad +13$

$〃:2=〃:x=6^{\text{丙}}\qquad 34^{\text{甲}}$

(126) $\frac{1238-\{16\times3+14\times(3+2)\}}{14+16+26}=20^{\text{下}}$

$20+3=23^{\text{中}}$

$23+2=25^{\text{上}}$

(127) $\left\{\begin{array}{l}18\div\left(\frac{1}{7}-\frac{1}{9}\right)=567\\ 567\div7=81^{\text{独}}\quad 567\div9=63^{\text{蒲}}\end{array}\right.$

(128) $\{(30000\div5)-(10000\div25)\}〃$

$〃\div572=35$

(129) $\{(65-5)\div2\}\div(1-0.25)=40^{\text{甲}}$

$65-40=25^{\text{乙}}$

(130) $50\times(1+0.14)\times(1-0.12)$

$〃=50.16$

(131) $(2.5+1.5)\times10\div2=20$

$20\div2.5=8\quad 8\times2+20=36$ 両消已寓

(132) $2\,)\underline{10.\quad 12.}$

$\quad\ \ 5.\quad\ 6.$

$2\times5\times6=60\quad 60+1=61$

(133) $37^2-25^2=744$

(134) $75\times(5+6+7)=1350$

(135) $1-\frac{1}{5}:56=1:x=70$

(136) $\left\{\begin{array}{l}540\div25=21.6\\ 18:21.6-18=100:x=20\end{array}\right.$

(137) $35\times24\div21-35=5$

(138)
$$\begin{array}{r|l}3&3.\ 4.\ 5.\ 6.\ 7.\ 8.\ 9.\\\hline 2&1.\ 4.\ 5.\ 2.\ 7.\ 8.\ 3.\\\hline 2&1.\ 2.\ 5.\ 1.\ 7.\ 4.\ 3.\\\hline &1.\ 1.\ 5.\ 1.\ 7.\ 2.\ 3.\end{array}$$

$3\times2\times2\times5\times7\times2\times3=2520$

$1^{\text{乙}}\quad 3^{\text{甲}}\quad (1+3)\times\frac{1}{4}+1=2^{\text{丙}}$

$\begin{array}{r}3\\1\\+2\\\hline 6\end{array}$

$6:3=2520:x=1260^{\text{甲}}$

$〃:1=〃:x=420^{\text{乙}}$

$〃:2=〃:x=840^{\text{丙}}$

(139) $\left\{\begin{array}{l}42\div\left(\frac{1}{8}\times2+\frac{1}{150}\times15\right)=120\\ 120\div8=15^{\text{石}}_{\text{米}}\quad 120\div150=0.8^{\text{石}}_{\text{麦}}\end{array}\right.$

(140) $\left\{\begin{array}{l}3\times3-2.5\times3=1.5\\ 1.5\div2.5=\frac{3}{5}\quad \frac{3}{5}\times60=36^{\text{分}}\end{array}\right.$

(141) $\frac{214}{157}\left\}\begin{array}{l}\frac{5}{3}\\ \frac{8}{7}\end{array}\right.\quad 4494\left\{\begin{array}{l}5495\\ 3768\end{array}\right)\begin{array}{r}726.\\ +1001.\\\hline 1727.\end{array}$

$1727:726=157:x=66^{\text{甲}}$

$〃:1001=〃:x=91^{\text{乙}}$

(142) $1-0.89 : 132 = 1-0.1 : x = 120.$

(143) $3\,\underline{)\,15.\quad 36.}$

$\quad\ 5.\quad 12.$

$3\times5\times12=180.$

$\begin{array}{r} 180. \\ +\ \ 7. \\ \hline 187. \end{array}$

(144) $1-\frac{1}{4} : 18 = 1 : x = 24.$

(145) $128 : 3+5 = 352 : x = 22.$

$\begin{array}{r} 22. \\ -7. \\ \hline 15. \end{array}$

(146) $\begin{array}{r} 1. \\ +2.5 \\ \hline 3.5 \end{array} : 1 = 210 : x = 60.$

$《 : 2.5 = 《 : x = 150.$

$150\div7.5=20.\quad 60\div5=12.$

(147) $2-1.5 : 3 = 2+1.5 : x = 21.$

(148) $5-1 : 3429-1 = 4-1 : x = \begin{array}{r} 2571. \\ +\ \ 1. \\ \hline 2572. \end{array}$

(149)

$\overset{\text{三子}}{13}\quad \overset{}{\underset{\text{四子}}{9.}}\quad 13+9=\overset{\text{長子}}{22.}$

$\begin{array}{r} 22. \\ 22. \\ 13. \\ +\ 9. \\ \hline 66 \end{array} : 22 = \begin{array}{r} 2520. \\ +120. \\ \hline 2640 \end{array} : x = 880.$

$《 : 13 = 《 : x = 520.$

$《 : 9 = 《 : x = 360.$

$880-120=760.$

(150) $\{220-(1000\div5)\}\div\frac{1}{5}=100$

(151) $3704+1\cdot25\times12=4004.$

$\begin{array}{r} 19 \\ +25 \\ \hline 44 \end{array} : 19 = 4004 : x = \overset{\text{上白米}}{1729}$

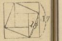
$3704-1729=\overset{\text{下白米}}{1975.}$

(152) $\left\{\begin{array}{l} 25 : 10\times30 = 1875 : x = 22500. \\ \sqrt{22500}=150. \end{array}\right.$

(153) $\left\{\begin{array}{l} \sqrt{(118\div2)^2-864\times4}=5. \\ \{(118\div2)+5\}\div2=\overset{\text{縦}}{32.} \\ \{(118\div2)-5\}\div2=\overset{\text{横}}{27.} \end{array}\right.$

(157) $\left\{\begin{array}{l} 48-2\times3=42.\quad 6+5+3=14. \\ 14 : 6 = 42 : x = 18+2=20. \\ 《 : 5 = 《 : x = 15+2=17. \\ 《 : 3 = 《 : x = 9+2=11. \end{array}\right.$

(155) $\left\{\begin{array}{l} \sqrt{17^2-(17^2-13^2)\times2}=7. \\ (17+7)\div2=12. \\ (17-7)\div2=5. \end{array}\right.$



(156) $\left\{\begin{array}{l} \overset{\text{甲}}{1}\quad \overset{\text{乙}}{2.}\quad 2\times2=\overset{\text{丙}}{4.} \\ 1000\div(1\times2\times4)=\overset{\text{甲}}{125} \\ \qquad 5\times2=\overset{\text{乙}}{10.}\quad \sqrt[3]{125}=5 \\ \qquad 5\times4=\overset{\text{丙}}{20.} \end{array}\right.$

(154) $25-7 : 25 = 90 : x = 125.$

(158) $\left\{\begin{array}{l} \sqrt{1000\times2}=44. \\ 1000-(1+44)\times44\div2 = 10\ \text{余} \end{array}\right.$

(159) $\overset{\text{丁}}{1.}\quad \overset{\text{丙}}{2.}\quad \overset{\text{乙}}{4.}\quad \overset{\text{甲}}{8.}$

$\begin{array}{r} 4. \\ +2. \\ \hline 6 \end{array} : 8 = 48 : x = \overset{\text{甲}}{64.}$

$《 : 4 = 《 : x = \overset{\text{乙}}{32.}$

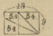
$《 : 2 = 《 : x = \overset{\text{丙}}{16.}$

$《 : 1 = 《 : x = \overset{\text{丁}}{8.}$

(160) $3235^2\times 3.1416=32877550.86$

(161) $25^3\times 0.5236=8181.25$

(162) $\begin{cases}\sqrt{6600\div(1+\frac{3}{8})\times\frac{1}{4}\times 600}=8.^{數} \\ 8\times\frac{3}{8}=3.\quad 8\times\frac{1}{4}=2.\end{cases}$



(163) $\begin{cases}18\times 9\div 3=54. \\ 54\times 2\div 9=12. \\ \sqrt{9^2+12^2}=15. \\ 54\times 2\div 18=6. \\ \sqrt{18^2+6^2}=18.973+\end{cases}$

(164) $\sqrt{72\times 2}=12.$

(165) $\sqrt{5^2-(\frac{5}{2})^2}+5=9.33+$

(166) $\begin{cases}\sqrt[3]{4860\div 9\times 5\times 4}=3. \\ 9\times 3=27. \\ 5\times 3=15.^{横}\quad 4\times 3=12.^{深}\end{cases}$

(167) $3^3:500=4.5^3:x=16875$

(168) $\begin{cases}(3\div 2)\times 5=7.5 \\ 7.5-3:3=300:x=200. \\ 7.5-3:7.5=300:x=500.\end{cases}$

(169) $\sqrt{36450\div 1\times\frac{1}{2}}=270.$

$270\div 2=135.$

(170) $5-4:5=25-15:x=50.$

$50-25=25.$

(171) $(4+5)\div(18-15)=3.$

(172) $(46+10\times\frac{1}{5})\div(1+\frac{1}{5})=40.^{甲}$

$40-10=30.^{乙}$

(173) $(380-30)\div(2+0.8)=125.$

(174) $100\times(1+0.1)^3\div(1+1.1+1.1^2)$
$=40.2114+$

(175) $17\times 7=119.$

(176) $2-1:2+1=5:x=15.$

(177) $\begin{cases}(1-\frac{1}{6})\times(1-\frac{1}{5})\times(1-\frac{1}{4})\times(1-\frac{1}{3})\times(1-\frac{1}{2})=\frac{1}{6} \\ 40\div(\overset{甲}{\frac{1}{6}}+\overset{乙}{\frac{1}{6}})=120.\end{cases}$

(178) $10\times 30\div 15=20.$

(179) $(4\times 2)^2\times 0.7854=50.2656$

(180) $36\div(\frac{3}{5}-\frac{3}{8})=160.$

(181) $\frac{1}{4}.\ \frac{1}{6}.\ \frac{1}{8}=6.\ 4.\ 3.$

$$\begin{array}{r}6.\\4.\\+\ 3.\\\hline 13\end{array}$$

$13:6=156:x=72.$

《 $:4=$ 《 $:x=48.$

《 $:3=$ 《 $:x=36.$

(182) $12\times 15-6^2=144.$

$6^2:1=144:x=4.\quad 4+1=5$

(183) $\begin{cases}\frac{1}{10}\times 4=\frac{2}{5}\quad(1-\frac{2}{5})\div 2=\frac{3}{10} \\ 1\div(\frac{3}{10}-\frac{1}{10})=5.\end{cases}$

(184) $10\times30\times0.5=150.$

$\{150-(15+0.5)\}\div(25\times5+36\times4)=0.5$

$5\times0.5=2.5\quad 4\times0.5=2.$

(185) $500\times5+(300+200)\times4=4500.$

$2850\times1.5=4275.$

$4500:4275=100:x=95.$

(186) $15-11:15=20:x=75.$

$〃:11=〃:x=55.$

$100-75=25.\quad 100-55=45.$

$100-(45+25)=30.$

(187) $180\times0.05=9.$

$147744\times9\div7.6=174960.$

(188) $(100:2)\times0.2=10.\quad \begin{array}{r}10.\\+\ 2.\\\hline 12.\end{array}$

$12:100\div2-0.25\times12:x$

$〃=12.5$

(189) $11:12=4\frac{20}{60}:x=4^{\text{時}}43^{\text{分}}38\frac{2}{11}{}^{\text{秒}}$

(190) $\sqrt{10\times30\div0.7854}=19.544$

$19.544\div2=9.772+$

(191) $20+0.25\times4:20=33.075$

$〃:x=31.5$

$15+0.25\times3:15=31.5$

$〃\ x=30.$

(192) $5.^{\text{甲}}\ 4.^{\text{乙}}\ 4\times(1+0.35)=5.4^{\text{丙}}$

$5.4\times(1-0.3)=3.78^{\text{丁}}$

$5-3.78:5+4+5.4+3.78=〃$

$183:x=2727.$

(193) $(11200-25)\times2\div50=447.$

$\{447-(50-1)\times3\}\div2=150.$

(194) $15-12\times0.2=12.6$

$12.6\div(0.2+0.15)=36.\quad \begin{array}{r}+12.\\\hline 48.\end{array}$

(195)

$$\left.\begin{array}{r}200\\10\\4\\2\\30\end{array}\right\}:8=\left.\begin{array}{r}120\\12\\5\\3\\150\end{array}\right\}:x=54.$$

(196) $[\{(12\times36+7)\times60+25\}\times6+4]=158194.$

$158194\div5.75=27512.$

$158194\div9.5=16652.$

(197) 50'25+1=26.

(198) $1:\left(\frac{1}{7.5}+\frac{1}{9}+\frac{1}{11\frac{1}{4}}\right)=3.$

(199) $\left(\frac{6}{7}+\frac{5}{6}\right)\times24\times60=2434\frac{2}{7}$

(200) $21-1+(3-1)\times(5-1)+35,$

$〃=63.$

(201) $(3.5-1.5)\div3.5=0.5714$

(202) $(30+21)\div 2=\frac{51}{2}$

$24\left\{\begin{matrix}\frac{51}{2}\\ 25.\end{matrix}\right.\quad 48\left\{\begin{matrix}51\\ 50\end{matrix}\right)\begin{matrix}2.\\ +3.\\ \hline 5.\end{matrix}$

$5:2=150:x=60.\quad 2\overline{)60.}\ 30.$

$《:3=《:x=90.$

(203) $8\times7\times24\times60=30240.$

(204) $\frac{\overset{5}{\cancel{250}}}{\underset{2}{\cancel{100}}}\left\}\begin{matrix}2.\\ 4.\end{matrix}\right.$

$5\left\{\begin{matrix}4\\ \frac{8+1}{4}\end{matrix}\right)3.$

$4:3=100:x=75.$

$《:1=《\ x=25.$

(205) $\left\{\begin{matrix}(1854-12\times18):\frac{1}{3}=4914.\\ 4914\div18=273.\end{matrix}\right.$

(206) $\left\{\begin{matrix}758\div1895=0.4\\ 8+5\times0.4:5=6:x=3.\end{matrix}\right.$

(207) $\frac{1\frac{3}{4}}{4}\times2:1=32:x=4.$

$《:3=《:x=12.$

$12\times4\times4=192.$

(208) $(60+36)\div(8.15-7.75)=240.$

(209) $7:56=6:x=48.$

(210) $\left\{\begin{matrix}150:150-30=200:x=160.\\ 200-(160-30)=70.\end{matrix}\right.$

(211)

時	分	秒
12.	0.	0.
−7.	35.	25.
4.	24.	35.
+5.	43.	56.
10.	8.	31.

(212) $212-32:100=86-32:x=30.$

(213) $《\ :80=《\ :x=24.$

(214) $\left\{\begin{matrix}36:x=x:25\\ x^2=36\times25.\ x=\sqrt{36\times25}=30\end{matrix}\right.$

(215) $0.1\times\frac{1}{3}=\frac{1}{30}\quad \frac{1}{30}\div(1-\frac{1}{3})=0.05$

(216) $\left\{\begin{matrix}1-0.04=0.96\quad 3\times(1+0.04)=3.12\\ (3.12-0.96)\div2-1=0.08\end{matrix}\right.$

(217)

$10^2\ x=104.$

$52=63.$

$18=25.$

$x=175.$

(218)

$\overset{甲}{1}\cdots\cdots1.$

$\overset{乙}{2}\cdots\cdots2.$

$1+2=\begin{matrix}3.\\ +3.\\ \hline 6.\end{matrix}\quad 10+60=\begin{matrix}70.\\ +10.\\ \hline 80.\end{matrix}$

$(800-80)\div6=120.$ 甲

$120\times2+10=250.$ 乙

$120+250+60=430.$ 丙

(219) $7\times4\times0.7854=21.9912$

(220) $\{425\div(1-0.15)\}\times(1+0.05)=525.$

(221) $450\div(18-16.5)=300.$

(222)

$$\begin{array}{r|l|l} 85 & 136 & 1 \\ & 85 & \\ 51 & 85 & 1 \\ & 51 & \\ 34 & 51 & 1 \\ & 34 & \\ 17 & 34 & 2 \\ & 34 & \\ & 0 & \end{array}$$

(223)
$$\begin{cases} 2227.2\div24=92.8 \\ 2227.2\div(24+3.84)=80. \\ (92.8-80)\div80=0.16 \end{cases}$$

(224)
$$\begin{cases} \sqrt{324\div\{(5+7)\times6\div2\}}=3. \\ 5\times3=15.\quad 6\times3=18. \\ 7\times3=21. \end{cases}$$

(225)
$$\begin{cases} 48\div3=16.\quad 16-7=9. \\ 9\div\left(\frac{1}{2}-\frac{1}{3}\right)=54. \\ (54+48)\div3=34\text{乙}. \\ (34-7)\times2=54\text{甲}. \end{cases}$$

(226)
$$\begin{cases} 1. \\ 2. \\ \underline{2.} \\ 5:1=150-50.:x=20\text{甲}. \\ 〃:2=〃:x=40\text{乙}. \\ 40+50=90\text{丙}. \end{cases}$$

(227)
$$\begin{cases} 9790-(4000+3000)=2790. \\ 2790\div(4000\times0.12+3000\times0.15)=3. \end{cases}$$

(228) $(1+365)\times365\div2=66795.$

---

(229)
$$\begin{array}{l} 150\div6=25\times9=225\text{甲} \\ 125\div9=\frac{125}{9}\times9=125\text{乙} \\ 100\div12=\frac{25}{3}\times9=\underline{+\ 75\text{丙}} \\ \qquad\qquad\qquad\qquad 425. \end{array}$$

$$\begin{array}{l} 425:225=1700:x=900\text{甲}. \\ 〃:125=〃:x=500\text{乙}. \\ 〃:75=〃:x=300\text{丙}. \end{array}$$

(230) $425\times12\div(500-425)=68.$

(231)
$$\begin{cases} (12-7+9)\times1.5=21. \\ 1.5:1=21-3:x=12. \end{cases}\quad \begin{array}{l} 12+8-12 \\ \quad =8.\ \text{午后} \end{array}$$

(232)
$$\begin{cases} 900\div3=300.\quad 300\div0.2=1500. \\ (1500-300)\div2=600.\ \text{乙へ貸金} \\ 600+300=900.\ \text{甲へ貸金} \end{cases}$$

(233) $16\times5\div\left(1-\frac{2}{3}\right)+5=245.$

(234)
$$\begin{cases} 1296\div0.12=1080. \\ 1080\div(1-0.04)=1125. \\ 1125\div(1-0.25)=1500. \end{cases}$$

(235)
$$\begin{array}{l} \left(\frac{1}{6}+\frac{1}{8}+\frac{1}{12}\right)\div2=\frac{13}{72} \\ 1-\left(\frac{13}{72}\times4+\frac{1}{9}\times2\right)=\frac{1}{18} \\ \frac{1}{18}\div\left(\frac{13}{72}-\frac{1}{6}\right)=4. \end{array}$$

(236)
$$\begin{array}{l} 17:1\frac{1}{2}=21:x=14. \\ 17\frac{1}{2}-14=3\frac{1}{2} \\ 3\frac{1}{2}\div21=\frac{1}{6}\text{分}\times60=10\text{分}. \end{array}$$

(237)

1. $\times 13\times 3=39.$ 甲

$1-0.2=0.8$ $\times 13\times 3=31.2$ 乙

$0.8\times(1+0.2)=0.96\times 13\times 3=37.44$ 丙

$0.96\div(1+0.3)=\frac{0.96}{1.3}\times 13\times 3=28.8$ 丁

$\frac{0.96}{1.3}\div(1-0.1)=\frac{\overset{32}{\cancel{0.96}}}{1.3\times\underset{3}{\cancel{0.9}}}\times 13\times 3=32.$ 戊

$\overline{168.44}$

$168.44:39=151596:x=35100.$ 甲

《 $:31.2=$ 《 $:x=28080.$ 乙

《 $:37.44=$ 《 $:x=33696.$ 丙

《 $:28.8=$ 《 $:x=25920.$ 丁

《 $:32=$ 《 $:x=28800.$ 戊

(238)

1. $=$[illegible]. $200\times 0.8=160.$

$1-0.2=0.8$

$1-0.2=0.8$ 160.

$0.8^2=0.64$ 2556.

$+\ 200.$

$3.24:1=2916:x=900.$

(239)

3300.

2500.

$+1800.$

$1800:216=7600:x=912.$

$912\div(1-\frac{2}{7})=1276.8$

(240) $\frac{3}{4}\times\frac{1}{2}=\frac{3}{8}$

$$\left.\begin{matrix}2+1\\1-\frac{3}{8}\end{matrix}\right\}:15=\left.\begin{matrix}2\\\frac{3}{8}\end{matrix}\right\}:x=6.$$

(241) $\sqrt{3^2+4^2+1.5^2}=5.22+$

(242) $25\times 21+4\times 14+18\times 23+$

$\{60-(25+4+18)\}\times 25=1320$

$1320\div 60=22.$

$1320\div 25=52.8$

(243) $\left\{\begin{matrix}(100-80)\div(\frac{1}{5}-\frac{1}{7})=350.\\350\div 5+80=150.\end{matrix}\right.$

(244) $1\div\frac{1}{2}=2.$

$1\div\frac{1}{3}=3.$

$5:2=250:x=100.$ 甲

《 $:3=$ 《 $:x=150.$ 乙

(245) $\{(1+0.2)^2\times(1+0.1)-1\}\times 100$

$=58.4$

(246) $\left\{\begin{matrix}(1710-1584)\div(15-8)=18.\\1584-18\times 8=1440.\end{matrix}\right.$

(247) $486\div(1+0.08)=450.$

(248) $\left\{\begin{matrix}(81-3^2)\div 2=36.\\36\div 3=12.\ \ 12+3=15.\end{matrix}\right.$

小方地

大方地

(249) $7\div(\frac{1}{3}+\frac{1}{4})=12.$

(250) $48\div(1-\frac{4}{5}\ \frac{1}{7})\times 3=280.$

(251) $(248-34-5-5)\div 2+5=107.$

(252) $(25-5)\div(\frac{1}{2}-\frac{1}{3})=120.$

(253) $(30-25)\times45\div(30-21)=25.$

(254) $(40+15)\div(\frac{1}{1.5}-\frac{1}{2})=330.$
$330\div\overset{人}{6}=55^{\text{圓}}.$

(255) $600\div3+50=250.$
$250-50\times2=150.$

(256) $2:3=24:x=36.\ 36-34=2.$

(257) $392\div\{\frac{4}{100}\times\frac{1}{3}+\frac{5}{100}\times(1-\frac{1}{3})\}=〃$
〃8400.
$12000-8400=3600.$

(258) $\frac{7}{3}+\frac{8}{5}-(\frac{5}{4}+\frac{8}{7})=\frac{731}{420}$
$146.2\div\frac{731}{420}=84.$ $60\overline{)84.}$
1 時 24 分.

(259) $162\div(1+0.2)=135.$
$(168.75-135)\div135=0.25$

(260) $x^3=3^3.$
$9=8.$
$6=5.$
$3=4.$
$10=3.$
$x^3=8.\ x=2.$

(261) $\left.\begin{matrix}5\\12\\3\frac{2}{3}\end{matrix}\right\}:1=\left.\begin{matrix}11\\4\\2\frac{1}{2}\end{matrix}\right\}:x$
$x=\frac{1}{2}$

(262) $(1200+250)\times(1+0.15)=〃$
〃1667.5

(263) $90\div(1+8)=10^{\text{特}}.$
$10\times8=80^{\text{馬}}.$

(264) $136\times(1-\frac{3}{8})=85.$
$(102-85)\div85=0.2$

(265) $\frac{1}{2\frac{1}{2}}+\frac{1}{5}+\frac{1}{8\frac{1}{3}}=\frac{18}{25}$
$(1-\frac{18}{25})\div\frac{1}{8\frac{1}{3}}=2\frac{1}{3}$
$+1$
$3\frac{1}{3}$

(266) $354\times195\div6^2=1917.5$ $30\overline{)1917.5}$
63 畝. 27.5 歩

(267)
$\overset{里}{7.32}$
$\times36.$
192
$+96$
115.2 町

0.52
$\times\ 60.$
間 31.20
$\times\ 6.$
尺 1.2

(268) $10:25=120:x=300.$
$120\times005=6.$
$300:120-6=25:x=950.$

(269) $(15^2+13^2+15\times13)\times0.7854,$
$〃\times\frac{5}{3}=771.001$
$771.001\div64.827=11.89+$

(270) $(\overset{分}{3}.\ \overset{秒}{20})\times7=\overset{分}{23}.\ \overset{秒}{20}.$

(271) $245.6\div\{1\times5.6+(1-0.12)\times4.8\},$
〃$=25$ 本
$25\times(1-0.12)=22$ 本

(272) $18^2:2\times60+15=15^2:x$
$60\overline{)\overset{分}{93}.\ \overset{秒}{45}.}$
$1.\ 33.\ 45.$
時 分 秒

(273) $\left\{\begin{array}{l}\{1\times3+(1-\frac{3}{3})\times9\}\times4=24\times4=96 \\ \{1\times3+(1-\frac{3}{4})\times9\}\times5-\frac{105}{4}\times4=105 \\ \qquad\qquad\qquad\qquad\qquad\qquad\qquad\qquad 201 \\ 201:96=335:x=160^{\text{甲}} \\ 《:105=《:x=175^{\text{乙}}\end{array}\right.$

(274) $\left\{\begin{array}{l}\sqrt[3]{648\div3\times2\times4}=3. \\ 3\times3=9^{\text{縱}}.\ 2\times3=6^{\text{横}}.\ 4\times3=12^{\text{高}}.\end{array}\right.$

(275) $\{0.2-(1+0.2)\times0.05\}\times350=49.$

(276) $\sqrt[3]{\frac{2^3}{64}}=\frac{2}{4}=0.5$

(277) $\left\{\begin{array}{l}105-40=65^{\text{甲}}. \\ 105+27=132^{\text{乙}}. \\ 105\div3=35^{\text{丙}}. \\ 105\times5=525^{\text{丁}} \\ 105-(65+35)=5^{\text{戊}}\end{array}\right\} \overset{+}{762.}$

(278) $15:3=25:5=15:x=25.$
$+5.$
30

(279) $25^2-(25-5\times2)^2=400$

(280) $\left\{\begin{array}{l}\sqrt{48^2+36^2}=60. \\ 48+36-60=24.\end{array}\right.$

(281)
$$\begin{array}{r|lll} 3 & 12. & 21. & 28. \\ 4 & 4. & 7. & 28. \\ 7 & 1. & 7 & 7. \\ \hline & 1. & 1. & 1. \end{array}$$

$3\times4\times7=84.$

$84\div12=7^{\text{甲}}.$

$84\div21=4^{\text{乙}}.$

$84\div28=3^{\text{丙}}.$

(282)
$$\begin{array}{r} 2\,)\,24.^{\text{甲}} \\ 12 \\ +12. \\ \hline 24. \\ +6. \\ \hline 30.^{\text{甲}} \end{array} \qquad \begin{array}{r} 24.^{\text{乙}} \\ -12. \\ \hline 2\,)\,12. \\ 6.^{\text{丙}} \end{array}$$

(283) $\frac{0.15}{36\times60\times6}=\frac{1}{86400}$

(284) $40:16=40+1\times2:x=16.8$
$\times\ 6$
4.8

(285) $3:\{1\div(\frac{1}{4}+\frac{1}{5})\}=18:x=13\frac{1}{3}$

(286) $\frac{270}{6\times60}=\frac{3}{4}=0.75$

(287) $\left\{\begin{array}{l}(28-24)\div\frac{1}{78}=312. \\ 312\div0.75=416.\end{array}\right.$

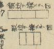
(288) $4\div\frac{2}{3}=6^{\text{甲}}.$
$1\text{----}4^{\text{乙}}.$
$3\text{----}+3^{\text{丙}}.$
$13.$

$13:6=325:x=150^{\text{甲}}.$

$《:4=《:x=100^{\text{乙}}.$

$《:3=《:x=75^{\text{丙}}.$

(289) $\left\{\begin{array}{l}1\times6+3\times2\div6=7 \\ 1\times2+3\times6\div6=5 \\ 7-5=2.\end{array}\right.$



(290) $10:10+0.25=25:x=25.625$
-12.625
$13.$

$10:10+0.25=13:x=13.325$
-8.825
4.5

$10:10+0.25=4.5:x=4.6125$

(291) $15\times1.85-0.75=27.$

(292) $2.5\div(\frac{1}{2}-\frac{1}{3})=15.$

(293) $\{(3\times3)^2-21\}\div4=15.$

(294)
$$\begin{array}{r|rrr} 2 & 16. & 14. & 8. \\ 4 & 8. & 7. & 4. \\ \hline & 2. & 7. & 1. \end{array}$$

$2\times4\times2\times7=112.$

$112+3=115.$

(295)
$$\begin{cases} (1+0.15\div2)^2=1.155625 \\ 1.155625\times(1+0.2)^3=1.99692 \\ 420.6475\div(1.99692-1.155625) \\ \quad=500 \end{cases}$$

(296) $\sqrt{10^2\times0.7854-64.1}=3.8$

(297)
$$\begin{cases} 8:100=2:x=25. \\ 8:100=2+3+4+5+6+ \\ \quad 7+8:x=437.5 \end{cases}$$

(298) $1\times1:72=\frac{1}{4}\times3:x=54.$

(299) $7.5:52.5=8:x=56.$

(300)
$$\begin{cases} (\frac{1}{2.5}-\frac{1}{3}):\frac{1}{2.5}=48:x=288. \\ 《\quad:\frac{1}{3}=《\quad:x=240. \end{cases}$$

(301)
$$\begin{cases} 31-5+30+28+1=85. \\ \frac{5}{7}:85=1-\frac{5}{7}:x=34. \\ 34+28-31-31+1=1. \end{cases}$$

(302)
$$\begin{cases} 1.25:\frac{1}{3}=1.875:x=\frac{1}{2} \\ 25\div\{1-(\frac{1}{2}+\frac{1}{3})\}=150 \end{cases}$$

(303)
$$\begin{cases} 15\div(\frac{1}{2})^{5-1}=240. \\ \dfrac{15\times\frac{1}{2}-240}{\frac{1}{2}-1}=465. \end{cases}$$

(304) $(25+15)\div\frac{2}{3}=60.$
$$\begin{array}{r} -15. \\ \hline 45. \end{array}$$

(305)

$1\times1.1=1.1$

$\frac{1}{1-0.2}=1.25\times1.1=1.375$

$(1+1.25)\div(1+0.1)=\frac{2.25}{1.1}\times1.1=2.25$

$(1.25+\frac{2.25}{1.1})\times(1+0.1)=\frac{3.2625}{1.1}\times1.1=3.2625$

$$\begin{array}{r} 1.1 \\ 1.375 \\ 2.25 \\ +\ 3.2625 \\ \hline 7.9875 \end{array}$$

$7.9875:1.1=1917:x=264.$

$《\quad:1.375=《:x=330.$

$《\quad:2.25=《:x=540.$

$《\quad:3.2625=《:x=783.$

(306)
$$\begin{cases} 12-8+24\times3+10=86. \\ 24:5+3=86:x=28.40. \end{cases}$$

(307) $1-0.25:8.4=1-0.2:x=9.$

(308)
$$\begin{array}{rrr} 6. & 7. & 7. \\ -5. & 6. & 5.9 \\ \hline 1. & 1. & 1.1 \\ \hline 6. & 6. & 6.6 \end{array}(6 \qquad \begin{array}{rrr} 6. & 7. & 7 \\ -6. & 6. & 6.6 \\ \hline & 1. & 0.4 \end{array}$$

$(5.9-6\times0.4)\div5=0.7$

(309)
$$\begin{cases} 1\times36+12-(1\times36+4)=8. \\ 8:1\times36+12=1\times36+28:x=, \quad 384. \\ 384\div36-10.\ 24. \end{cases}$$

(310)
$$\begin{cases} 3\times60=180. \\ 180\div18=10. \\ 180\div15=12. \\ 180\div12=15. \end{cases}$$

$$\begin{array}{r|rrr} 2 & 10. & 12. & 15. \\ 3 & 5. & 6. & 15. \\ 5 & 5. & 2. & 5. \\ \hline & 1. & 2. & 1. \end{array}$$

$$2\times3\times5\times2=60. \quad \frac{60}{60}\ \frac{60.}{1.}$$

(311) $\sqrt[3]{184889625}\div3=395.$

(312) $2.5:3=1:x=1.2$

(313) $35\times6\div\left\{5\times6+\frac{(6-1)\times6\times5}{2}\right\}=2.$

(314)
$$\begin{aligned} &3\times9+(8-3)\times8=67. \\ &2\times8.5+(8-2)\times7=59. \\ &8\times7.5 \qquad\qquad =\underline{60.} \\ &\qquad\qquad\qquad\quad 186. \end{aligned}$$

$$\begin{aligned} 186:67&=930:x=335. \\ 〃:59&=〃:x=295. \\ 〃:60&=〃:x=300. \end{aligned}$$

(315)
$$\begin{aligned} 1\times1.44 &=1.44 \\ 0.8\times1.44 &=1.152 \\ 0.8^2=0.64\times1.44 &=0.9216 \\ \frac{0.8^2}{1+0.2}=\frac{0.64}{1.2}\times1.44 &=0.768 \\ \frac{0.8^2}{(1+0.2)^2}=\frac{0.64}{1.44}\times1.44 &=\underline{0.64} \\ &\ \ 4.9216 \end{aligned}$$

$4.9216:1.44=769:x=225.$

$$\begin{aligned} 4.9216:1.152&=769:x=180. \\ 〃:0.9216&=〃:x=144. \\ 〃:0.768&=〃:x=120. \\ 〃:0.64&=〃:x=100. \end{aligned}$$

(316)
$$\begin{cases} \sqrt{(7\times30+14)\times4+2^2}=30. \\ (30+2)\div2=16.\ (30-2)\div2=14. \end{cases}$$

(317) $6.66:36=370:x=2000$

(318) $\frac{1}{3}-\frac{1}{3.5}=\frac{1}{21}$

$15\div\frac{1}{21}=315.$

(319) $\sqrt{1^2+0.6^2}=1.1661$

$1.1661\times1-1=0.1661$

(320)
$$\begin{aligned} 15817.5\div92.5&=171.\ \times7=1197. \\ 〃\ \div85.5&=185.\ \times6=\underline{1110.} \\ &\qquad\qquad\qquad 87. \end{aligned}$$

(321) $7.5-6:3=6-5:x=2.$

(322) $(125+75)\div(22.5-18.5)=50.$

(323) $\sqrt[4]{625}=\sqrt{\sqrt{625}}=5.$

(324)
$$\begin{cases} 48-7+1=42. \\ (7+48)\times42\div2=1155. \end{cases}$$

(325) $\sqrt{5832\div(3^3+4^3+5^3)}=3.$

$3\times3=9.\ 4\times3=12.\ 5\times3=15.$

(326) $1.5\times2\div(2-1.5)=6.$

(327)
$$\begin{cases} (49-7)\div2=21. \\ (49+7)\div2=28. \\ \sqrt{21^2+28^2}=35. \end{cases}$$

(328) $25:0.25=150:\mathcal{X}=1.5$

$10:0.25=150:\mathcal{X}=3.75$

$(3.75-1.5)\times 6=13.5$

(329) $(106\times 30+21-33^2)\div 2=1056.$

$1056\div 33=32.\ 32^2=1024.\ 30\overline{)1024}\ 34.4.$

$(32+33)^2=4225.\ 30\overline{)4225}\ 140.25.$

(330) $1:\frac{1}{7}=7.$

$1:\frac{1}{5}=5.$

$12:7=600:\mathcal{X}=350.$ 大

《 $:5=$ 《 $:\mathcal{X}=250.$ 小

(331) $\frac{3}{60}=\frac{1}{20}$ $\frac{3}{15}=\frac{1}{15}$

$\frac{1}{15}-\frac{1}{20}=\frac{1}{60}$ $\frac{1}{60}\times 60=1$

$3:(\frac{1}{20}-\frac{1}{60})=90.\ 90\div 60=1.5$

(332) $103275:45=2295$

$\frac{1}{3}+\frac{1}{4}+\frac{1}{5}+\frac{1}{6}+\frac{1}{7}=\frac{459}{420}$

$\frac{459}{420}:\frac{1}{3}=2295:\mathcal{X}=70.$

$:\frac{1}{4}=\qquad :\mathcal{X}=52.5$

$:\frac{1}{5}=\qquad :\mathcal{X}=42.$

$:\frac{1}{6}\qquad :\mathcal{X}=35.$

$:\frac{1}{7}\qquad :\mathcal{X}=30.$

(333) $(47.124:3.1416):2=7.5$

(334) $\left.\begin{matrix}8\\250\end{matrix}\right\}:50=\left.\begin{matrix}6\\128\end{matrix}\right\}:\mathcal{X}=192$

$20-19.2=0.8$

(335) $\sqrt[3]{\sqrt{387420489}}=27.$

(336) $12:18=30:\mathcal{X}=45.$

(337) $570\div(\frac{1}{14}+\frac{1}{5})=2100.$

$2100:14=150.$

$2100:5=420.$

(338) $60\div\{1-(\frac{3}{4}-\frac{1}{6})\}=144.$

(339) $\sqrt{36}:\sqrt{49}=48.5:\mathcal{X}=56.\ 3.5$

(340) $\sqrt{(12\times 30+24)\times 2}\div 3\times 4=8.$

$\sqrt{3^2+4^2}=5.\ (3+4+5)\times 8=96.$

(341) $(16.\ 56.\ 1.88)\times 75=35.\ 10.\ 23.$

(342) $45\times\mathcal{X}:54=750:4\times\mathcal{X}$

$\mathcal{X}^2=\frac{54\times 750}{4\times 45}=225.\ \mathcal{X}=15.$

(343) $100:212-32-62:\mathcal{X}=111.6$

$$\begin{array}{r}111.6\\+32.\\\hline 143.6\\\times 60.\\\hline 8360\end{array}$$

(344) $2.5\div 100=0.025$

(345) $3:5=7:\mathcal{X}=\frac{35}{3}$

$\frac{35}{3}\div(\frac{11}{5}-\frac{5}{3})=21.\ 52.\ 30.$ 時 分 秒

$5:11=21\frac{7}{8};\mathcal{X}=48.\ 4.\ 30.$

(346) $16.875\div 15^{4.1}=5.$

(347) $2500\times(1-0.25)=1875.$

$$\begin{array}{r}150.\\125.\\+100.\\\hline 375\end{array}$$

$375:150=1875:\mathcal{X}=750.$

《 $:125=$ 《 $:\mathcal{X}=625.$

《 $:100=$ 《 $:\mathcal{X}=500.$

(348) $1\div0.12=\frac{25}{3}\times3=25$
$1\div0.2=5\times3=15$
$1\div0.25=4\times3=12$
$+\ \overline{52}$
$52:25=1872:x=900$
〃 $:15=$ 〃 $:x=540$
〃 $:12=$ 〃 $:x=432$

(349) $\begin{cases}25\div(1+0.25)=20.\\(20+30)\div(1+0.25)=40.\\(1+0.25)\times60-40=35.\end{cases}$

(350) $\begin{cases}54\div(1+0.2)=45.\\(45+15)\div(1+0.2)=50.\\(50+34)\div(1+0.2)=70.\end{cases}$

(351) $\begin{cases}\sqrt{50^2\times2\times4+8^2}=64.\\(64-8)\div2=28.\\(64+8)\div2=36.\end{cases}$

(352) $\begin{cases}\sqrt{114^2-1600\times2\times4}=14.\\(114-14)\div2=50.\\(114+14)\div2=64.\end{cases}$

(353) $\begin{cases}\sqrt{11^4-42^2\times2\times4}=23.\\(11^2-23)\div2=49.\\(11^2+23)\div2=72.\end{cases}$

(354) $\begin{cases}(12+15)\times50=1350\\12\times45=540\end{cases}$

(355) $10\times30:42\times7=1:x=0.98$

(356) $\sqrt{18^2\div2}=12.7279+$
$\underline{\times\quad6}$
$1.3674+$

(357) $2.5\div\left(\frac{1}{3\frac{1}{3}}+\frac{1}{4\frac{1}{4}}+\frac{1}{5\frac{1}{5}}\right)=3\frac{701}{1608}$

(358) $45-25=20.\quad30-25=5.$

(359) $\begin{cases}500\times\frac{1}{4}\times0.18=22.5.\\500\times\frac{1}{3}\times0.24=40.\\500\times(1-\frac{1}{4}-\frac{1}{3})\times0.12=25.\\22.5+25+40=87.5\end{cases}$

(360) $\begin{cases}\sqrt{6\div(5+7)\times\frac{4}{2}}=0.5\\5\times0.5=2.5.\quad7\times0.5=3.5.\quad4\times0.5=2.\end{cases}$

(361) $1.5:1=2.5:x=$ 1時 40分.
$2.5:1=4.5-2.5\ x=$ 48.
$\underline{+7.\quad 32.}$
$8.\quad 120.\,)\,\underline{60.}$
$\underline{+2.}\quad\underline{-120.}\quad 2.$
$10.\quad 0$
時　分

(362) $3.5:56=5:x=80.$

(363) $186:24=248:x=32.$

(364) $\frac{7}{9},\ \frac{5}{7},\ \frac{4}{5}=\frac{245}{315},\frac{225}{315},\frac{252}{315},$
$245.$
$225.$
$\underline{+252.}$
$722:245=2166:x=735.$
〃 $:225=$ 〃 $:x=675.$
〃 $:252=$ 〃 $:x=756.$

(365) $(150+25)\times15=2625.$

(366) $68\div(1+0.3\frac{1}{3})\times(1-0.15)=80.$

(367) $(\sqrt{9^2+12^2})\times4=60.$

(368) $15-9:9=15:x=22.5$

(369) $1\div 0.12=\overset{年}{8}.\ \overset{月}{4}.$

(370) $(\overset{時}{6}.\ \overset{分}{5}.\ \overset{秒}{20})\times 35\frac{1}{4}=\overset{時}{214}.\ \overset{分}{38}.$

(371) $\begin{cases} 101.25\div 1.25=81. \\ 101.25\div 1.5\ =67.5 \end{cases}$
$\quad\quad 13.5$

(372) $(174-12\times 8)\div(8+5)=6.^{下}$
$\quad +12.$
$\quad 18.^{上}$

(373) $17:612=8:\mathcal{X}=288.$

(374) $\begin{cases} 6\div 1.5=4. \\ 4.5\div 1.5=3. \\ 3\div 1.5=2. \end{cases}$ $\quad 2\,\underline{)\,4.\quad 3.\quad 2.}$ $\quad\ \ 2.\quad 3.\quad 1.$ $\quad 2\times 2\times 3=12.$

里 町 間 里 町 間尺
(375) $(14\,2.\ 25\ 35)\div(9.\ 18.\ 30.\ 2.)=15$

(376) $\begin{cases} 0.9939\times 200=198.78^{酒} \\ 0.9153\times 200=183.06^{油} \end{cases}$

(377) $\begin{cases} \sqrt{(25^2\times 0.7854)\times 4}=88.622+ \\ 25\times 3.1416\quad =78.54 \end{cases}$
$\quad 10.0824$
$\quad \times\ \ 6$
$\quad 0.4944$

(378) $\begin{cases} 12\times 30=360. \\ 15\times 25=375. \\ 18\times 20=360. \end{cases}$
$45.\ )\,1095.$
$\quad 24.333+$
$24.333\times(1+0.08)=26.88+$

(379) $19.2:0.12=24:\mathcal{X}=0.15$

(380) $\begin{cases} (4.5-4.2)\div 0.15=20.\,\text{[illegible]米} \\ 4.5-2.0=2.5\,\text{[illegible]米} \end{cases}$

(381)
$3^2=\quad 9.$
$3^3=\quad 27.$
$3^4=\quad 81.$
$3^5=\quad 243.$
$3^6=\quad 729.$
$3^7=\quad 2187.$
$3^8=\quad 6561.$
$3^9=\quad 19683.$
$3^{10}=\underline{59049.}$
$\quad\quad 88569.$

(382)
$150\div(3+\frac{1}{3})=45.$
$45\times 3=135.^{甲}$
$45\div 3=15.^{乙}$

(383)
$1\div 5=\frac{1}{5}\times 30=6.^{大}$
$1\div 6=\frac{1}{6}\times 30=5.^{小}$
$(6+5)\div 2=\frac{11}{2}$ 中
$6.\ \ 5.\ \ \frac{11}{2}$
$12.\ 10.\ 11.$

$12.$
$11.$
$\underline{+10.}$
$33:12=1155:\mathcal{X}=420.^{大}$
$〃\ :11=\ 〃\ :\mathcal{X}=385.^{中}$
$〃\ :10=\ 〃\ :\mathcal{X}=350.^{小}$

(384) $\begin{cases} 6^2=36. \\ 6.3^2=39.69 \\ 6.5^2=42.25 \end{cases}$

(385) $6^2:720=6.5^2:\mathcal{X}=845.$

(386) $6^2:1200=6.3^2:\mathcal{X}=1323.$

(387) $6.3^2:198.45=6.5^2:\mathcal{X}=211.25$

(388) $\begin{cases} 6^2:12\times 18=6.5^2:\mathcal{X}=253.5 \\ 253.5-12\times 18=37.5 \end{cases}$

(389) $\begin{cases} 6^2:20^2=6.3^2:\mathcal{X}=441. \\ 441-20^2=41. \end{cases}$

(390) $\begin{cases} 230\div(1+0.15)=200. \\ 200\div(1+0.25)=160. \end{cases}$

(391) $30 \div (\frac{4}{5} - \frac{1}{2}) = 100.$

(392)
$$\begin{cases} (1-\frac{3}{7}) \times \frac{4}{7} = \frac{16}{49} \text{長子} \\ (1-\frac{3}{7}) \times (1-\frac{4}{7}) = \frac{12}{49} \text{次子} \\ 172.48 \div (\frac{16}{49} - \frac{12}{49}) = 2112.88 \text{孫金高} \end{cases}$$

(393)
$$\begin{array}{r} 7. \\ 9. \\ +12. \\ \hline 28 \end{array}$$
$28 : 7 = 420 : x = 105$ 甲
$〃 : 9 = 〃 : x = 135$ 乙
$〃 : 12 = 〃 : x = 180$ 丙

(394)
$$\begin{cases} (1728 - 288) \div 0.2 = 7200. \\ 7200 \div 50 = 144. \end{cases}$$

(395) $(\frac{7 \times 8 + 4 \times 10}{2} + 7 \times 4 + 8 \times 10) \times \frac{6}{8} =$
$= 312.$

(396) $25 \times 20 \times 0.7854 = 392.7$
$30)\overline{13.27}$

(397) $3-5 : 24 = 9+5 : x = 8.4.$
$\times 2.$
$30)\overline{16.8.}$
$5.18.$

(398)
$$\begin{cases} 17.50 : 7 = 250. \\ 32.75 - 13 \times 250 = 25. \\ 25 : 4 = 250 : x = 40. \end{cases}$$

(399) $x = 1.$
$4 = 5.$
$6 = 5.$
$1 = 12.$
$x = 12.5$

(400) $1 - 0.2 : 0.2 = 1 : x = 0.25$

(401) $(0.2 - 0.2 \times 0.2) \times 450 = 72.$

(402) $\frac{4}{6} \times 2 = \frac{4}{3} = 1\frac{1}{3}$
$12\frac{1}{2} + 1\frac{1}{3} = 13\frac{5}{6}$
$15 + 1\frac{1}{3} = 16\frac{1}{3}$
$13\frac{5}{6} \times 16\frac{1}{3} = 225\frac{17}{18}$
$225\frac{17}{18} - 12.5 \times 15 = 38\frac{4}{9}$
$38\frac{4}{9} \times \frac{2.4}{6} = 15.377+$

(403) $\sqrt{3468 \div 12} = 17$

(404) $15^2 \times 0.7854 - 7.5^2 \times 2.598 = 30.5,$
775

(405) $1.5 \div (\frac{1}{4} - \frac{1}{6}) = 18.$

(406) $\sqrt{10^2 \div 3} = 5.772+$

(407) $6 \times \frac{1}{6} = 1.\quad 6 + 1 \times (10 - 1) = 15.$

(408)
$$\begin{array}{l} 3.\ 4. \\ 2\ \ 1. \\ \hline 2 \times 4 = 8 \\ 3 \times 2 = 6 \\ 4 \times 1 = \underline{4.} \\ \quad 18 \end{array}$$
$18 : 8 = 450 : x = 200.$ 甲
$〃 : 6 = 〃 \quad x = 150.$ 乙
$〃 : 4 = 〃 \quad x = 100.$ 丙

(409)
$$\begin{cases} \sqrt{(4188 \times 30 + 24) \div 0.7854} \\ \qquad = 400. \\ (400 \times 3.1416 \div 2) \div 400 = \\ \qquad 1.5708 \end{cases}$$

(410)
$$\begin{cases} (12 - 3 + 4) \div 2 = 3.5 \\ 3.5 - (12 - 9) : 28 = 12 - 9 + 4 : \\ \qquad x = 10.32. \end{cases}$$

(411) $\left.\begin{matrix}18\\7\end{matrix}\right\}:189=\left.\begin{matrix}18+3\\7-3\end{matrix}\right\}:x=126.$

(412) $\left\{\begin{matrix}70\div\left(\frac{1}{120}-\frac{1}{150}\right)=42000.\\42000\div120=280.\\42000\div150=350.\end{matrix}\right.$ [illegible]

(413) $\sqrt{15^2-12^2}=9.$

(414) $\left\{\begin{matrix}2.5\div\left(1-\frac{3}{5}\right)=\frac{25}{4}=6\frac{1}{4}\\6\frac{1}{4}\times36\div30=7.5\\7.5+8-12=3.5\end{matrix}\right.$

(415) $\left\{\begin{matrix}\sqrt{4096}=64.\\\sqrt[3]{4096}=16.\end{matrix}\right.$

$$\begin{array}{r}32798\\80:64=4096:x=\\《:16=《:x=8192\end{array}$$

(416) $600-100=500$

$$\frac{1}{2}\quad\frac{1}{2},$$
$$\frac{2}{3},\quad\frac{1}{3},$$
$$\frac{1}{2}\times\frac{2}{3}=\frac{1}{3}\times6=2.$$
$$\frac{1}{2}\times\frac{2}{3}=\frac{1}{3}\times6=2.$$
$$\frac{1}{2}\times\frac{1}{3}=\frac{1}{6}\times6=\frac{1}{5}.$$

$5:2=500:x=200.$ 甲
$《:2=《:x=200.$ 乙
$《:1=《:x=100.$ 丙

(417) $1-\left(\frac{1}{12}+\frac{1}{15}\right)=\frac{17}{20}$

$$\frac{17}{20}\times\frac{2}{17}=\frac{1}{10}$$
$$\frac{17}{20}-\frac{1}{10}=\frac{3}{4}$$

$\frac{3}{4}:1125=\frac{1}{12}:x=125$ 戦死
$《:《=\frac{1}{15}:x=100$ [illegible]
$《:《=\frac{1}{10}:x=150$ [illegible]

(418) $\sqrt[3]{4608\div\frac{1}{2}\times\frac{1}{3}\times\frac{1}{4}}=48.$

(419) $\left\{\begin{matrix}10\times30:75=3\times30+10:x=25.\\(400-25)\times3+75=15.\end{matrix}\right.$

(420) $1+0.075\times(21-17)=1.3$

$1+0.075\times(21-15)=1.45$

$1+0.075\times(21-13)=1.6$

$$\frac{1}{1.3}\quad\frac{1}{1.45}\quad\frac{1}{1.6}$$

$464.\ 416.\ 377.$

$$\begin{array}{r}464\\416.\\+377.\\\hline1257.\end{array}$$

$1257:464=2514:x=928.$ 長
$《:416=《:x=832.$ 次
$《:377=《:x=754.$ 末

(421) $3\overline{)195.}$ $\quad5\overline{)65.}$ $\quad13.$

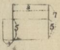
$13\times5=65.$

$13\times3=39$

(422)

$$\begin{array}{r}5\\\times3\\\hline15\end{array}\qquad\begin{array}{r}7\\-5\\\hline2\end{array}\qquad\begin{array}{r}15\\+9\\\hline2\overline{)24}\end{array}$$

$12+3=15.$



(423) $1+1:145-135=19:x=95.$ 全
$《:《=10:x=50.$ [illegible]

(424) $\left\{\begin{matrix}1000\div12.5=80.\\12.5\times16=200.\\(1000-200)\div80=15.\end{matrix}\right.$

(425) $(13\times3-7)\div4=8$

(426) $(60-56)\div(1-\frac{3}{5})=10.$

$(60-10)\times3=150.$

$56+38+60-150=4.$

(427) $20\div(\frac{20}{3}-\frac{25}{4})=48.$

(428) $(58\times2+52)\div(2+1)=56.$

48 { 40 8^1 −1 ; 46 8 8 ; 56 8+2=3 } 3)3/1 ×2/2.

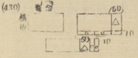
(429) $53\times(1-0.18)=43.46$

$43.7-43.46=0.24$

$\frac{1}{1+0.2}-(1-0.18)=\frac{1}{75}$

$0.24\div\frac{1}{75}=18.$米 $58-18=35.$卜米

(430) 縦 横



$6800-50\times10=6300.$

$6300\div(10\times2+50)=90.$ 横

$90\times2=180.$ 縦

(431) $0.5:1=1:x=2.$

$1.2:2.5=1:x=2\frac{1}{12}$

$2\frac{1}{12}-2:1=2.5-1:x=18.$

(432) $(15\times5-39)\div(7+5)=3.$

(433) $(9+1)\times9\div2=45.$

(434) $5\div(1\frac{1}{2}+\frac{1}{8})\times2=12.$

(435)

$\sqrt{19^2-(19^2-193)\times2}=5.$

$(19-5)\div2=7.$ 小方

$(19+5)\div2=12.$ 大方

(436)

$\sqrt{(346-4^2)\times2+4^2}=26.$

$(26+4)\div2=15.$ 甲

$(26-4)\div2=11.$ 乙

(437)

$0.072\div12=0.006$

預金 第一月 預金 第五月 利息

明治十七年 $(1+5)\times\frac{5}{2}=15.$ $15\times0.006=0.09$

$(6+11)\times\frac{6}{2}=51.$ $51\times0.006=0.306$

同十八年 一月 12.3 六月 17.3 $88.8\times0.006=0.5928$

七月 18.8 十二月 23.8 $127.8\times0.006=0.7668$

同十九年 一月 25.5 六月 30.5 $168\times0.006=1.008$

七月 32.5 十二月 37.5 $210\times0.006=1.26$

同二十年 39.7 44.7 $253.2\times0.006=1.5192$

47.2 52.2 $298.2\times0.006=1.7892$

同廿一年 54.9 59.9 $344.4\times0.006=2.0664$

62.9 67.9 $392.4\times0.006=2.3544$

同廿二年 71.2 76.2 $442.2\times0.006=2.6532$

79.8 84.8 $493.8\times0.006=2.9628$

84.8
2.9628
+1.
88.7628

明治十八年四月九日版權免許
同　年六月　出版發兌

著者　東京府平民　大島孝造
東京京橋區尾張町
二丁目三拾三番地

出版者　岐阜縣平民　和田篤太郎
東京日本橋區
通四丁目五番地

大島孝造著
○四則應用二百五十題集　全一冊　十五錢
東京岡三慶先生校
○和漢對照記事論説軌範　全二冊　六十錢
○筭顆術教授本　近刻

中津川古
町[illegible]氣
[illegible]

神野[illegible]