Ch-7-Division

Divide in your notebook.

a) $3,264 \div 4 = 816$

```
        8 16
    4 ) 3264
       -32↓↓
         06
         -4↓
          24
         -24
           0
```

(b) $5,663 \div 7 = 809$

```
        809
    7 ) 5663
       -56↓↓
         063
         -63
           0
```

c) $4,128 \div 6 = 688$

```
       688
    6 ) 4128
      -36↓
        052
        -48↓
         048
         -48
           0
```

d) $7776 \div 6$

```
       1296
    6 ) 7776
      -6↓
       17
      -12
        57
       -54↓
         36
        -36
          0
```

e) $6708 \div 9 = 745$

$$
\begin{array}{r}
745 \\
9\overline{)6708} \\
-63 \downarrow \\
\hline
40 \\
-36 \downarrow \\
\hline
48 \\
-45 \\
\hline
3
\end{array}
$$

f) $2464 \div 5 = 492$

$$
\begin{array}{r}
492 \\
5\overline{)2464} \\
-20 \downarrow \\
\hline
46 \\
-45 \downarrow \\
\hline
14 \\
-10 \\
\hline
4
\end{array}
$$

g) $7857 \div 9 = 873$

$$
\begin{array}{r}
873 \\
9\overline{)7857} \\
-72 \downarrow \\
\hline
65 \\
-63 \downarrow \\
\hline
27 \\
-27 \\
\hline
6
\end{array}
$$

h) $8992 \div 8 =$

$$
\begin{array}{r}
1124 \\
8\overline{)8992} \\
-8 \downarrow \\
\hline
09 \\
-8 \downarrow \\
\hline
19 \\
-16 \downarrow \\
\hline
32 \\
-32 \\
\hline
0
\end{array}
$$

i) $7101 \div 7 = 1014$

$$
\begin{array}{r}
1014 \\
7\overline{)7101} \\
-7\downarrow\downarrow \\
\hline
010 \\
-7\downarrow \\
\hline
31 \\
-28 \\
\hline
3
\end{array}
$$

j) $8000 \div 6 = 1333$

$$
\begin{array}{r}
1333 \\
6\overline{)8000} \\
-6\downarrow \\
\hline
20 \\
-18\downarrow \\
\hline
20 \\
-18\downarrow \\
\hline
20 \\
-18 \\
\hline
2
\end{array}
$$

k) $5140 \div 16 = 321$

$$
\begin{array}{r}
321 \\
16\overline{)5140} \\
-48\downarrow \\
\hline
34 \\
-32\downarrow \\
\hline
26 \\
-16 \\
\hline
4
\end{array}
$$

l) $4362 \div 18$

$$
\begin{array}{r}
24 \\
18\overline{)4362} \\
-36\downarrow \\
\hline
86 \\
-72\downarrow \\
\hline
142 \\
-126 \\
\hline
16
\end{array}
$$

(m) $3132 \div 35 = 89$

$$
\begin{array}{r}
89 \\
35\overline{)3132} \\
-280\downarrow \\
\hline
332 \\
-315 \\
\hline
17
\end{array}
$$

(n) $6080 \div 95 = 64$

$$
\begin{array}{r}
64 \\
95\overline{)6080} \\
-570\downarrow \\
\hline
380 \\
-380 \\
\hline
0
\end{array}
$$

(o) $9467 \div 81 = 116$

$$
\begin{array}{r}
116 \\
81\overline{)9467} \\
-81\downarrow \\
\hline
136 \\
-81\downarrow \\
\hline
557 \\
-486 \\
\hline
071
\end{array}
$$

(p) $3006 \div 14 = 214$

$$
\begin{array}{r}
214 \\
14\overline{)3006} \\
-28\downarrow \\
\hline
20 \\
-14\downarrow \\
\hline
66 \\
-56 \\
\hline
10
\end{array}
$$

(q) $8724 \div 18 = 484$

$$
\begin{array}{r}
484 \\
18\overline{)8724} \\
-72\downarrow \\
\hline
152 \\
-144\downarrow \\
\hline
84 \\
-72 \\
\hline
12
\end{array}
$$

(r) $8846 \div 21 =$

$$
\begin{array}{r}
421 \\
21\overline{)8846} \\
-84\downarrow \\
\hline
44 \\
-42\downarrow \\
\hline
26 \\
-21 \\
\hline
5
\end{array}
$$

s) $4268 \div 58 = 73$

$$
\begin{array}{r}
73 \\
58\overline{\smash{)}4268} \\
-40\ 6\downarrow \\
\hline
108 \\
-\ 174 \\
\hline
034
\end{array}
$$

t) $9876 \div 63 = 156$

$$
\begin{array}{r}
156 \\
63\overline{\smash{)}9876} \\
-63\downarrow \\
\hline
357 \\
-315\downarrow \\
\hline
0426 \\
-378 \\
\hline
048
\end{array}
$$

C.W 20/7/21 Exercise 7-(B)

Fill in the blanks:

(a) $5,120 \div 10$ Quotient = 512 , Remainder = 0.

b) $4,650 \div 1000$ Quotient = 4 , Remainder = 650

c) $9,570 \div 100$ Quotient = 95, Remainder = 70

d) $1,900 \div 100$ Quotient = 19 , Remainder = 00

e) $5,455 \div 10$ Quotient = 545 , Remainder = 5

f) $46,79,921 \div 1,000$ Quotient = 4679, Remainder = 921

g) $64.43 \div 100$ = Quotient = 64 Remainder = 43

h) $8470 \div 1000$ = Quotient = 8 Remainder = 470

i) $3300 \div 1000$ = Quotient = 3 Remainder = 300

j) $4488 \div 10$ = Quotient = 448 Remainder = 8

k) $56810 \div 100$ = Quotient = 568 Remainder = 10

l) $323655 \div 100$ = Quotient = 3236 Remainder = 55

m) $76587 \div 100$ = Quotient = 765 Remainder = 87

n) $96660 \div 100$ = Quotient = 966 Remainder = 60

o) $6436379 \div 1000$ = Quotient = 6436 Remainder = 379

p) $487506 \div 100$ = Quotient = 4875 Remainder = 06

q) $4008493 \div 1000$ = Quotient = 4008 Remainder = 493

r) $657605 \div 10$ = Quotient = 65760 Remainder = 5

s) $464478 \div 100$ = Quotient = 4644 Remainder = 78

t) $787878 \div 1000 =$ Quotient $= \underline{787}$, Remainder 878

v) $187007 \div 100 =$ Quotient $= \underline{1870}$, Remainder $= 07$

v) $89000 \div 100 =$ Quotient $= \underline{890}$, Remainder $= 00$

C-Work Exercise 7 (C)

* Fill in the blanks.

a) $75,923 \div 3 =$ Quotient $= \underline{25,307}$, Remainder $= \underline{2}$

```
        25 3 0 7
    3 ) 75, 923
       - 6↓
         15
        - 15 ↓
          0 9
          - 9 ↓↓
          0 2 3
          - 21
            2
```

b) $51,648 \div 4 = $ Quotient $= 12,912$, Remainder $= 0$

$$
\begin{array}{r}
1\ 2\ 9\ 1\ 2 \\
4\,\overline{)\ 51,648\ } \\
-4\downarrow \\
\hline
1\ 1 \\
-\ 8\downarrow \\
\hline
3\ 6 \\
-3\ 6\downarrow \\
\hline
0\ 4 \\
-\ 4\downarrow \\
\hline
0\ 8 \\
-\ 8 \\
\hline
0
\end{array}
$$

c) $61,464 \div 6 = $ Quotient $= 10244$ Remainder $= 0$

$$
\begin{array}{r}
1\ 0,2\ 4\ 4 \\
6\,\overline{)\ 61,464\ } \\
-\ 6\downarrow\downarrow \\
\hline
0\ 1\ 4 \\
-\ 1\ 2\downarrow \\
\hline
2\ 6 \\
-\ 2\ 4\downarrow \\
\hline
2\ 4 \\
-\ 2\ 4 \\
\hline
0
\end{array}
$$

d) 97335 ÷ 7 = Quotient = 13905 Remainder = 0

$$
\begin{array}{r}
1\ 3\ 9\ 0\ 5 \\
7\,\overline{)9\ 7\ 3\ 3\ 5} \\
-7 \\
\overline{2\ 7} \\
-2\ 1 \\
\overline{6\ 3} \\
-6\ 3 \\
\overline{0\ 3\ 5} \\
-3\ 5 \\
\overline{0}
\end{array}
$$

e) 37840 ÷ 8 = Quotient = 4730, Remainder = 0

$$
\begin{array}{r}
4\ 7\ 3\ 0 \\
8\,\overline{)3\ 7\ 8\ 4\ 0} \\
-3\ 2 \\
\overline{5\ 8} \\
-5\ 6 \\
\overline{2\ 4} \\
-2\ 4 \\
\overline{0\ 0} \\
-0\ 0 \\
\overline{0}
\end{array}
$$

HW

f) $94675 \div 15 =$ Quotient = 6311 , Remainder = 10

```
            6 3 1 1
      15 | 94675
         - 90 ↓↓↓
            46
          - 45 ↓
            17
           - 15 ↓
             25
            - 15
             10
```

g) $62517 \div 27 =$ Quotient = 2463 , Remainder = 16

```
            2 4 6 3
      27 | 62517
        - 54 ↓↓↓
          125
         - 108 ↓
            171
          - 162 ↓
             97
            - 81
             16
```

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HW

b) $23645 \div 77 =$ Quotient = 307 , Remainder = 6

$$
\begin{array}{r}
307 \\
77\,\overline{)23645} \\
-231\downarrow\downarrow \\
\hline
545 \\
-539 \\
\hline
006
\end{array}
$$

i) $7505 \div 61 =$ Quotient = 123 , Remainder = 2

$$
\begin{array}{r}
123 \\
61\,\overline{)7505} \\
-61\downarrow \\
\hline
140 \\
-122\downarrow \\
\hline
185 \\
-183 \\
\hline
2
\end{array}
$$

j) $63114 \div 82 =$ Quotient = 769 , Remainder = 56

$$
\begin{array}{r}
769 \\
82\,\overline{)63114} \\
-574\downarrow \\
\hline
571 \\
-492\downarrow \\
\hline
794 \\
-738 \\
\hline
56
\end{array}
$$

k) $98113 \div 131 =$ Quotient $= \underline{749}$ Remainder $= \underline{125}$

$$
\begin{array}{r}
749 \\
131\overline{)98113} \\
-917\downarrow \\
\hline
641 \\
-524\downarrow \\
\hline
1173 \\
-1048 \\
\hline
125
\end{array}
$$

U) $64921 \div 900 =$ Quotient $= \underline{72}$, Remainder $= \underline{121}$

$$
\begin{array}{r}
72 \\
900\overline{)64921} \\
6300\downarrow \\
\hline
1921 \\
-1800 \\
\hline
121
\end{array}
$$

m) $68737 \div 162 =$ Quotient $= \underline{42}$, Remainder $= \underline{69}$

$$
\begin{array}{r}
42 \\
162\overline{)68737} \\
-648\downarrow \\
\hline
393 \\
-324 \\
\hline
69
\end{array}
$$

n) $48769 \div 219 =$ Quotient $= \underline{222}$, Remainder $= \underline{51}$

$$
\begin{array}{r}
\phantom{219\overline{)}}2\ 2\ 2 \\
219\overline{)48769} \\
-438\downarrow \\
\overline{496} \\
-438\downarrow \\
\overline{489} \\
-438 \\
\overline{51}
\end{array}
$$

o) $57705 \div 321 =$ Quotient $= \underline{1712}$, Remainder $= \underline{83}$

$$
\begin{array}{r}
\phantom{321\overline{)}}1\ 7\ 1\ 2 \\
321\overline{)57705} \\
-321\downarrow \\
\overline{2560} \\
-2247\downarrow \\
\overline{3935} \\
-3852 \\
\overline{83}
\end{array}
$$

p) $75437 \div 319 = $ Quotient $= 236$, Remainder $= 153$

$$
\begin{array}{r}
236 \\
319\overline{)75437} \\
-638\downarrow\downarrow \\
\hline
1163 \\
-957\downarrow \\
\hline
2067 \\
-1914 \\
\hline
153
\end{array}
$$