SESSION : 15
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 7
CHAPTER NAME : DIVISION
SUBTOPIC : REVISION, EXERCISE-7 A

EXERCISE – 7(A)

Divide in your notebook.

(a) 3,264 ÷ 4
=

Answer

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

EXERCISE – 7(A)

Divide in your notebook.

(b)   5,663 ÷ 7
=

Answer

```
              8   0   9
      ┌─────────────────
    7 │ 5           6
      └─────
        -   5   6   6
            ─────── 3
                0   6
              -     0
              ─────────
                    6   3
                -   6   3
                ─────────
                        0
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(c)   4,128 ÷ 6

=

Answer

```
              6   8   8
        ┌─────────────────
    6   │  4        1
    ────┘          2
      -   3   6    8
        ─────────────
          0   5   2
      -       4   8
        ─────────────
              0   4   8
          -       4   8
            ─────────────
                      0
```

EXERCISE – 7(A)

Divide in your notebook.

(d)   7776 ÷ 6

=

Answer

```
              1   2   9   6
        6  |  7           7
           - 6           7
           ―――――         6
             1   7
           - 1   2
           ―――――――
             0   5   7
               - 5   4
               ―――――――――
                 0   3   6
                   - 3   6
                   ―――――――――
                     0   0
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(e)   6,708 ÷ 9
=

        Answer

```
                    7    4    5
        ┌─────────────────────────
    9   │  6              7
        └──             0
        -   6    3      8
           ──────────────
            0    4    0
        -        3    6
           ──────────────
                 0    4    8
        -             4    5
           ──────────────
                           3
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(f)   2464 ÷ 5
=

          Answer

```
                    4   9   2
        5 | 2           4
                        6
          -  2   0      4
             _____
             0   4   6
          -      4   5
             _____
                 0   1   4
             -       1   0
             _____
                         4
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(g)   7857 ÷ 9
=

Answer

```
           8   7   3
      ┌─────────────────
    9 │ 7         8
      │           5
      - 7   2     7
        ─────────
        0   6   5
        -   6   3
          ─────────
            0   2   7
            -   2   7
              ─────────
                    0
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(h)   8992 ÷ 8
=

Answer

```
              1   1   2   4
     ┌─────────────────────
   8 │  8           9
        -  8        9
        ─────────── 2
           0   9
           -   8
           ─────────
           0   1   9
           -   1   6
           ─────────────
               0   3   2
               -   3   2
               ─────────
                   0   0
```

DIVISION

EXERCISE – 7(A)

Divide in your notebook.

(i)   7101 ÷ 7
=

Answer

```
              1   0   1   4
        7  ┌  7           1
        -     7           0
            ─────         1
              0   1   0
            -     0
            ─────
              0   1   0
            -         7
            ──────────
                  0   3   1
                -     2   8
                ──────────
                      0   3
```

DIVISION

Divide in your notebook.

(j)   8000 ÷ 6

=

          Answer

```
              1   3   3   3
        ┌─────────────────────
     6  │  8               0
        │
     -     6      ↓       0
        ─────────────      0
              2   0
     -        1   8       ↓
           ──────────
              0   2   0
     -            1   8   ↓
              ──────────
                  0   2   0
     -                1   8
                  ──────────
                      0   2
```

☐ **Complete Exercise – 7(A) in your note book.**

LEARNING OUTCOME:

Students are able to recall the process of division through this topic revision.

SESSION   : 16
CLASS   : IV
SUBJECT   : MATHEMATICS
CHAPTER NUMBER : 7
CHAPTER NAME   : DIVISION
SUBTOPIC   : DIVISION BY 10,100,1000,
                          EXERCISE-7 B

Consider the examples and observe carefully.

EXAMPLE - 1   Divide 378 by 10

```
10 )  3        7  3   7
    -  3   0        8
       ─────────
           7   8
        -  7   0
           ─────
               8
```

Quotient = ____37____ .

Remainder = ____8____ .

We observe that when we divide any number by the divisor 10, the last digit of the dividend is always the remainder and the number formed by the remaining digits is the quotient.

Consider the examples and observe carefully.

EXAMPLE - 2   Divide 4,351 by 100

$$
\begin{array}{r}
100 \enclose{longdiv}{4\quad\quad 3}\quad 4 \quad 3 \\
-\;\;4\;\;0\;\;0 \quad^{5}_{1} \\
\hline
0\;\;3\;\;5\;\;1 \\
-\;\;\;3\;\;0\;\;0 \\
\hline
5\;\;1
\end{array}
$$

Quotient = ____43____ .

Remainder = ____51____ .

We observe that when we divide any number by the divisor 100, then the last 2 digits of the dividend will be the remainder and the number formed by the remaining digits is the quotient.

DIVISION BY 10, 100 AND 1000

Consider the examples and observe carefully.

EXAMPLE - 3   Divide 68,792 by 1000

```
1000 ) 6        8          6   8
        -  6   0   0  7  0          ↓
                      9
          0   8   7  2  9   2
          -   8   0  0   0
                  7   9   2
```

Quotient = _____68_____.

Remainder = _____792_____.

Form the above example, it is clear that if we divide any number by the divisor 1000, then the last three digits of the dividend is the remainder and the number formed by the remaining digits is the quotient.

EXERCISE – 7(B)

Fill in the blanks:

(a) 5,120 ÷ 10   **Quotient =** ___512___. **Remainder =** ___0___.

(b) 4,650 ÷ 1000   **Quotient =** ___4___. **Remainder =** ___650___.

(c) 9,570 ÷ 100   **Quotient =** ___95___. **Remainder =** ___70___.

(d) 1,900 ÷ 100   **Quotient =** ___19___. **Remainder =** ___00___.

(e) 5,455 ÷ 10   **Quotient =** ___545___. **Remainder =** ___5___.

EXERCISE – 7(B)

Fill in the blanks:

(f) 46,79,921 ÷ 1000   **Quotient = ___4679___. Remainder = ___921___.**

(g) 6,443 ÷ 100   **Quotient = ___64___. Remainder = ___43___.**

(h) 8,470 ÷ 1000   **Quotient = ___8___. Remainder = ___470___.**

(i) 3,300 ÷ 1000   **Quotient = ___3___. Remainder = ___300___.**

(j) 4,488 ÷ 10   **Quotient = ___448___. Remainder = ___8___.**
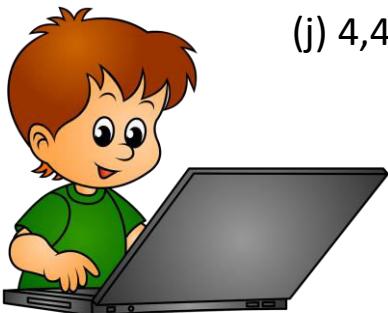
EXERCISE – 7(B)

Fill in the blanks:

(k) 56,810 ÷ 100   **Quotient = __568__. Remainder = __10__.**

(l) 3,23,655 ÷ 100   **Quotient = __3236__. Remainder = __55__.**

(m) 76,587 ÷ 100   **Quotient = __765__. Remainder = __87__.**

(n) 96,660 ÷ 1000   **Quotient = __96__. Remainder = __660__.**

(o) 64,36,379 ÷ 1000 **Quotient = __6436__. Remainder = __379__.**
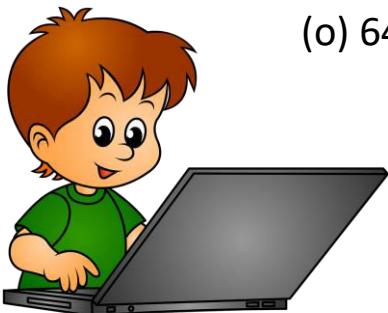
HOME ASSIGNMENT:

☐ **Complete Exercise – 7 B in your note book.**

LEARNING OUTCOME:

Students are able to understand how to do the division by 10,100 and 1000.

SESSION   **: 17**
CLASS   **: IV**
SUBJECT   **: MATHEMATICS**
CHAPTER NUMBER   **: 7**
CHAPTER NAME   **: DIVISION**
SUBTOPIC   **: DIVISION WITH 5-DIGIT NUMBERS,**
                         EXERCISE-7 C

EXAMPLE   **Divide 38,695 by 8**

Step 1 :   consider the first digit from the left
i.e. **3**. since **3** < **8**,
consider **2** – digit   from the left
together i.e. **38**.

```
    8 ) 3        8
                 6
                 9
                 5
```

EXAMPLE   **Divide 38,695 by 8**

Step 2 :   divide **38** by **8**.

                8 × 4 = **32**, write **4** in the

quotient.

                38 − 32 = **6**.

```
                4
        _____
    8 ) 3           8
                    6
    -   3    2
        _____
             6      9
                    5
```

EXAMPLE   **Divide 38,695 by 8**

Step 3 :   Bring down the next digit i.e. **6**.
Divide **66** by **8**.
8 × 8 = **64**, write 8 in the
quotient.

66 − 64 = **2**.

```
              4     8
        ┌──────────────────┐
   8   │  3           8    │
   -      3     2    │ 6
        ─────────────│ 9
                6     6  5
        -       6     4
        ───────────────────
                      2
```

EXAMPLE   **Divide 38,695 by 8**

Step 4 :   Bring down the next digit i.e. **9**.
                  Divide **29** by **8**.
                  8 × 3 = **24**, write **3** in the
quotient.

                  29 − **24** = **5**.

```
              4    8    3
        ┌────────────────────
      8 │ 3            8
       -  3    2       6
         ─────────     9
              6    6   5
         -    6    4
         ──────────────
                   2    9
              -    2    4
         ──────────────
                        5
```

EXAMPLE **Divide 38,695 by 8**

Step 5 : Bring down the next digit i.e. **5**.
Divide **55** by **8**.
8 × 6 = 48, write **6** in the quotient.

55 − 48 = 7.

Step 6 : Since **7** < **8**, it is indivisible by **8**.

Quotient = **4836**;

Remainder = 7

```
        4   8   3   6
    ┌─────────────────
  8 │ 3           8
  - │ 3   2       6
    └───────────  9
          6   6   5
        - 6   4
        ───────────
              2   9
            - 2   4
        ───────────
                  5   5
                - 4   8
              ───────────
                      7
```

EXERCISE – 7(C)

Fill in the blanks:

(a) 75,923 ÷ 3 =

```
          2   5   3   0   7
      ┌──────────────────────
   3 )  7           5
    -   6           9
      ────          2
          1   5     3
      -   1   5
      ──────────
              0   9
            -     9
          ──────────
                  0   2
                -  0   0
              ──────────
                      2   3
                    -  2   1
                  ──────────
                          2
```

Quotient = __25,307__ . Remainder = __2__ .

EXERCISE – 7(C)

Fill in the blanks:

(b) 51,648 ÷ 4 =

```
        1   2   9   1   2
   4 )  5           1
   -    4           6
                    4
        1   1       8
   -    0   8
            3   6
        -   3   6
                0   4
            -   0   4
                    0   8
                -   0   8
                        0
```

Quotient = __12,912__. **Remainder =** ___0___.

Fill in the blanks:

(c) 61,464 ÷ 6 =

```
            1   0   2   4   4
        _____
    6 ) 6           1
      -  6           4
        _____   6
         0   1       4
      -  0   0
        _____
             1   4
          -  1   2
            _____
                 2   6
              -  2   4
                _____
                     2   4
                  -  2   4
                    _____
                         0
```

Quotient = ___10,244___ .   **Remainder** = ___0___ .

EXERCISE – 7(C)

Fill in the blanks:

(d) 97,335 ÷ 7 =

```
              1   3   9   0   5
        ┌─────────────────────────
     7  )  9           7
        -  7           3
        ─────          3
           2   7       5
        -  2   1
        ──────────
               6   3
            -  6   3
            ──────────
                   0   3
                -  0   0
                ──────────
                       3   5
                    -  3   5
                    ──────────
                           0
```

Quotient = ___13,905___. Remainder = ___0___.

EXERCISE – 7(C)

Fill in the blanks:

(e) 37,840 ÷ 8 =

```
            4   7   3   0
      ┌────────────────────
   8  )  3         7
      -  3   2
      ─────────────
            5   8   0
          - 5   6
         ─────────────
                2   4
              - 2   4
             ─────────────
                    0   0
                  - 0   0
                 ─────────────
                        0
```

Quotient = ___4730___ . Remainder = ___0___ .

EXERCISE – 7(C)

Fill in the blanks:

(f) 94,675 ÷ 15 =

```
           6   3   1   1
    15 ) 9           4
       -   9   0     6
                    7
               4   6 5
             -   4   5
                   1   7
                 -  1   5
                       2   5
                     -  1   5
                       1   0
```

Quotient = __6,311__.   Remainder = __10__.

EXERCISE – 7(C)

Fill in the blanks:

(g) 62517 ÷ 27 =

```
              2   3   1   5
        _____
  27 ) 6           2
    -   5   4      5
        _____   1
            8   5  7
        -   8   1
        _____
                4   1
            -   2   7
            _____
                1   4   7
            -   1   3   5
            _____
                    1   2
```

Quotient = __2,315__ .   **Remainder =** __12__ .

EXERCISE – 7(C)

Fill in the blanks:

(h) 23,645÷ 77 =

```
                    3    0    7
       77 ) 2            3
          -  2    3    1  6
                         4
                    5  5 4
                 -  0    0
                    5    4    5
                 -  5    3    9
                              6
```

Quotient = __307__ . Remainder = __6__ .

LEARNING OUTCOME:

Students are able to understand how to do the division with 5-digit numbers.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 18
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 7
CHAPTER NAME : DIVISION
SUBTOPIC : DIVISION WITH 5-DIGIT NUMBERS,
EXERCISE-7 C

Fill in the blanks:

(i) 7505 ÷ 61 =

```
                1   2   3
        ┌─────────────────
    61  )   7           5
        -   6   1       0
                        5
        ─────────────
            1   4   0
        -   1   2   2
        ─────────────
                1   8   5
            -   1   8   3
        ─────────────
                        2
```

Quotient = __123__.   Remainder = __2__.

Fill in the blanks:

(j) 63,114 ÷ 82 =

```
                    7   6   9
     82 ) 6             3
                       1
        -  5   7   4   1
                      1
              5   7   4  1
           -  4   9   2
              7   9   4
           -  7   3   8
                  5   6
```

Quotient = ___769___.   Remainder = ___56___.

Fill in the blanks:

(k) 98,113 ÷ 131 =

```
                    7    4    8
        131 ) 9              8
                           1
            -  9    1    7
                           1
                    6    4  3 1
                -   5    2    4
                    1    1    7    3
                -   1    0    4    8
                    1    2    5
```

Quotient = ___748___. Remainder = ___125___.

EXERCISE – 7(C)

Fill in the blanks:

(l) 64,921 ÷ 900 =

```
                    7    2
        900 ) 6          4
                          9
         -  6    3    0   0
                          2
                 1    9 1 2    1
              -  1    8    0    0
                 1    2    1
```

Quotient = ___72___.   Remainder = ___121___.

Fill in the blanks:

(m) 68,737 ÷ 162 =

```
                      4   2   4
            _____
     162 ) 6           8
              7
          - 6   4   8  3
            _____
                3   9   3
                      7
          -   3   2   4
            _____
                    6   9   7
          -       6   4   8
            _____
                        4   9
```

Quotient = ___424___.   Remainder = ___49___.

DIVISION BY 5-DIGIT NUMBERS
EXERCISE – 7(C)

Fill in the blanks:

(n) 48,769 ÷ 219 =

```
                          2    2    2
        219 ) 4              8
                                  7
            -   4    3    8
                                  6
                    4    9  9  6
                -   4    3    8
                    _____
                         5    8    9
                -        4    3    8
                    _____
                         1    5    1
```

Quotient = ___222___.   Remainder = ___151___.

EXERCISE – 7(C)

Fill in the blanks:

(o) 57,705 ÷ 321 =

```
                    1   7   9
   321 ) 5              7
       -  3   2   1     7
                       0
          2   5   6  5 0
       -  2   2   4   7
          _____
             3   1   3   5
          -  2   8   8   9
          _____
                 2   4   6
```

Quotient = ___179___.   Remainder = ___246___.

EXERCISE – 7(C)

Fill in the blanks:

(p) 75,437 ÷ 319 =

```
              2   3   6
  319 ) 7         5
      -  6   3   8  4
                   3
         1   1   6  7  3
      -      9   5  7
             2   0   6  7
         -   1   9   1  4
                 1   5   3
```

Quotient = __236__. Remainder = __153__.

Students are able to understand how to do the division with 5-digit numbers.

THANKING YOU
ODM EDUCATIONAL GROUP

SESSION : 19
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 7
CHAPTER NAME : DIVISION
SUBTOPIC : WORD PROBLEMS ON DIVISION,
EX-7 D Q.NO. 1 TO 4

CHANGING YOUR TOMORROW

WORD PROBLEMS

EXAMPLE A school has 25,928 students. The students are divided equally into 8 groups. How many are there is each group?

Solution Total number of students in the school = **25,928**

Number of groups in which the students are divided = **8**

Number of students in each group = **25928 ÷ 8 =**

```
              3   2   4   1
        8 ) 2         5
      -   2   4       9
                      2
                  1   9   8
              -   1   6
                      3   2
                  -   3   2
                          0   8
                      -   0   8
                              0
```

∴ The number of students in each group is **3,241**

WORD PROBLEMS

EXERCISE – 7(D)

1. If 2,584 books are placed equally in 8 shelves, how many books are there in each shelf?

Solution

Total number of books = **2,584**

Number of shelves = **8**

Number of books in each shelf = **2,584 ÷ 8 =**

∴ There are **323** books in each shelf.

```
            3   2   3
     ┌──────────────────
   8 │    2           5
     -   2   4        8
     ───────────      4
             1   8
          -  1   6
     ────────────────
                 2   4
              -  2   4
     ────────────────
                     0
```

EXERCISE – 7(D)

2. On republic day, 8289 flags were equally hoisted in 10 different cities. How many
flags were hoisted in each city? also calculate how many flags were left over?

Solution

Number of flags were equally hoisted = **8,289**

Number of cities the flag hoisted = **10**

Number of flags hoisted in each city = **8,289 ÷ 10**=

```
          8  2  8
10 ) 8        2
                8
                9
   - 8  0
   _____
        2  8
      - 2  0
   _____
            8  9
         -  8  0
   _____
               9
```

∴ **828** flags were hoisted in each city. And also **9** number of flags were left over.

EXERCISE – 7(D)

3. Monica purchased a gold chain costing Rs.33,832 and paid the total amount in 4 equal instalments. How much did she pay each time?

Solution

The cost of the gold chain = Rs.**33,832**

Total number of instalments = **4**

Amount of money paid by her in each time = **33,832 ÷ 4** =

$$\begin{array}{r} 8\ \ 4\ \ 5\ \ 8 \\ 4\ )\ \overline{3\ \ \ \ \ \ \ 3} \\ \underline{3\quad 2} \\ 1\quad 8 \\ \underline{-\ 1\quad 6} \\ 2\quad 3 \\ \underline{-\ 2\quad 0} \\ 3\quad 2 \\ \underline{-\ 3\quad 2} \\ 0 \end{array}$$

∴ She paid Rs.**8,458** money each time.

WORD PROBLEMS

EXERCISE – 7(D)

4. A factory produces 19,998 thumb pins in a day and these pins are packed in 22 boxes having equal number of pins. How many pins are packed in each box?

Solution

Total number of pins produced in one day = **19,998**

Total number of boxes = **22**

Each box contain total thumb pins = **19,998 ÷ 22 =**

```
                    9   0   9
         22 ) 1         9
           -  1   9   8 9
                        9
                  0   1 8 9
                -  0   0   0
                      1   9   8
                   -  1   9   8
                          0   0
```

∴ **909** pins are packed in each box.

- **Complete Exercise – 7(D) Q.NO. 5 & 6 in your note book.**

LEARNING OUTCOME:

Students are able to understand how to use the process of division for solving the word problems.

THANKING YOU

ODM EDUCATIONAL GROUP

SESSION : 20
CLASS : IV
SUBJECT : MATHEMATICS
CHAPTER NUMBER : 7
CHAPTER NAME : DIVISION
SUBTOPIC : WORD PROBLEMS ON DIVISION,
EX-7 D Q.NO. 7 TO 10

CHANGING YOUR TOMORROW

WORD PROBLEMS

EXERCISE – 7(D)

7. Arushi paid Rs.25,245 for the purchase of watches at a cost of Rs.935 per watch. How many watches did she purchase?

Solution Total cost of all watches = Rs.**25,245**

Cost of one watch = Rs.**935**

Number of watches she purchased = **25,245 ÷ 935** =

```
                           2   7
        935 ) 2        5
        -  1  8  7  2  0
                    4
               6  5  5  4  5
             -  6  5     4  5
               _____
                  0     0   0
```

∴ She purchased **27** watches.

WORD PROBLEMS

EXERCISE – 7(D)

8. In a library there are 80,770 books. The books are kept in almirahs. Each almirah has a capacity to hold 985 books. How many almirahs are needed to keep all the books?

Solution

Number of books are in the library = **80,770**

Number of books kept in each almirah = **985**

Total number of almirahs needed = **80,770 ÷ 985** =

$$
985 \overline{)80770}
$$

∴ **82** almirahs are needed to keep all the books.

EXERCISE – 7(D)

9. A company manufactures 99,831 scooters in 311 days. How many scooters are manufactured in one day?

Solution Number of scooters manufacture in 311 days = **99,831**

Number of scooters manufacture in one day = **99,831 ÷ 311 =**

∴ The company can manufacture **321** scooters in one day.

```
                    3   2   1
        311 ) 9         9
            -  9   3   3 8
                        3
               0   6   5 1 3
            -      6   2   2
               0   3   1   1
            -      3   1   1
                       0   0
```

WORD PROBLEMS

EXERCISE – 7(D)

10. In a stadium 83,974 people can be seated. If 242 people can sit in a row of chairs, find out the total number of rows in the stadium.

Solution

Number of people can be seated in the stadium = **83,974**

Number of people can be seated in a row = **242**

Total rows in the stadium = **83,974 ÷ 242 =**

$$
\begin{array}{r}
242\overline{)\,83974\,}\quad 347 \\
-726 \\
\hline
1134 \\
-968 \\
\hline
1694 \\
-1694 \\
\hline
00
\end{array}
$$

∴ There are **347** rows in the stadium.

HOME ASSIGNMENT:

☐ **PRACTICE CH-1 AND CH-2.**

LEARNING OUTCOME:

Students are able to understand how to use the process of division for solving the word problams.

THANKING YOU
ODM EDUCATIONAL GROUP