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

LEARNING OBJECTIVE

- **Enable the students to understand how to use the process of division foe solving the word problems.**

WORD PROBLEMS

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

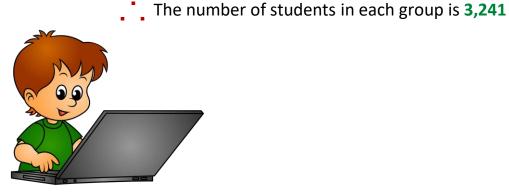**Solution**   Total number of students in the school = **25,928**

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   9   2   8
          -  2   4
             ─────────
                 1   9
              -  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 =**

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

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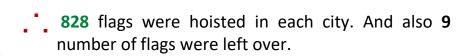
WORD PROBLEMS

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?
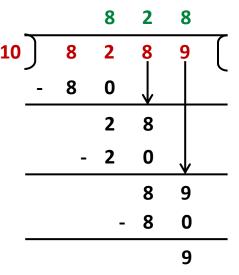
Solution

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**=

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

```
            8  2  8
        ┌──────────────
  10    │   8  2  8  9
        - 8  0
        ──────────
              2  8
            - 2  0
        ──────────
                 8  9
               - 8  0
        ──────────
                    9
```

WORD PROBLEMS

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?
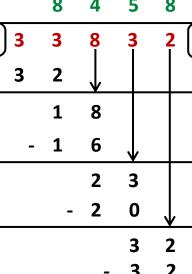
Solution

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** =

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

∴ 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   9   9   8
      - 1   9   8
        _____
          0   1   9
        - 0   0   0
        _____
              1   9   8
            - 1   9   8
            _____
                0   0
```

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

HOME ASSIGNMENT:

➢ **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