

Worksheet

Chapter - 6

Division

I. Fill in the blanks :-

a) The number by which we divide is called divisor.

b) A number that is left after division is called remainder.

c) The result in division after dividing the dividend with divisor is called Quotient.

d) The number which is to be divided is called dividend.

II. Do as directed :-

A) Solve by long division method :-

$$6048 \div 9$$

$$\begin{array}{r}
 672 \rightarrow Q \\
 9 \overline{) 6048} \\
 \underline{- 54} \downarrow \\
 64 \\
 \underline{- 63} \downarrow \\
 18 \\
 \underline{- 18} \\
 0 \rightarrow R
 \end{array}$$

$$1344 \div 8$$

$$\begin{array}{r}
 168 \rightarrow Q \\
 8 \overline{) 1344} \\
 \underline{- 8} \downarrow \\
 54 \\
 \underline{- 48} \downarrow \\
 64 \\
 \underline{- 64} \\
 0 \rightarrow R
 \end{array}$$

B) Divide the following :-

$$891 \div 17$$

$$758 \div 23$$

$$\begin{array}{r}
 52 \rightarrow Q \\
 17 \overline{) 891} \\
 \underline{-85} \downarrow \\
 41 \\
 \underline{-34} \\
 7 \rightarrow R
 \end{array}$$

$$\begin{array}{r}
 32 \rightarrow Q \\
 23 \overline{) 758} \\
 \underline{-69} \downarrow \\
 68 \\
 \underline{-46} \\
 22 \rightarrow R
 \end{array}$$

C) Divide the following :-

$$7891 \div 32$$

$$5268 \div 14$$

$$\begin{array}{r}
 246 \rightarrow Q \\
 32 \overline{) 7891} \\
 \underline{-64} \downarrow \\
 149 \\
 \underline{-128} \downarrow \\
 211 \\
 \underline{-192} \\
 19 \rightarrow R
 \end{array}$$

$$\begin{array}{r}
 376 \rightarrow Q \\
 14 \overline{) 5268} \\
 \underline{-42} \downarrow \\
 106 \\
 \underline{-98} \downarrow \\
 88 \\
 \underline{-84} \\
 4 \rightarrow R
 \end{array}$$

D) Story Sum :-

1) How many days are there in 2280 hours?

Ans - Total hours = 2280

Hours in a day = 24

$$\begin{array}{r} 95 \\ 24 \overline{) 2280} \\ \underline{216} \\ 120 \\ \underline{120} \\ 0 \end{array}$$

\therefore Number of days in 2280 hours = 95 days.

2) In an auditorium there are 5048 chairs to seat. These chairs are arranged in 42 rows equally. How many chairs are there in each row?

Ans - Number of chairs = 5048

Number of rows = 42

$$\begin{array}{r} 120 \rightarrow R \\ 42 \overline{) 5048} \\ \underline{42} \\ 84 \\ \underline{84} \\ 0 \end{array}$$

\therefore Number of chairs in each row = 120 and number of chairs left = 8

$$\begin{array}{r} 8 \\ \underline{0} \\ 8 \rightarrow R \end{array}$$