

Division

1. Fill in the blanks:-

- (i) The number by which we divide is called divisor.
- (ii) A number that is left after division is called remainder.
- (iii) The result in division after dividing the dividend with divisor is called quotient.
- (iv) The number which is to be divided is called dividend.

2. Do as directed:-

(i) Solve by long division method:-

$$(a) 6048 \div 9 = \underline{Q-672, R-0} \quad (b) 1344 \div 8 = \underline{Q-168, R-0}$$

$$\begin{array}{r}
 672 \\
 9 \overline{) 6048} \\
 \underline{-54} \downarrow \\
 64 \\
 \underline{-63} \downarrow \\
 18 \\
 \underline{-18} \\
 00
 \end{array}$$

$$\begin{array}{r}
 168 \\
 8 \overline{) 1344} \\
 \underline{-8} \downarrow \\
 54 \\
 \underline{-48} \downarrow \\
 64 \\
 \underline{-64} \\
 00
 \end{array}$$

(ii) Divide the following:-

(a) $891 \div 17 = \underline{Q-52, R-17}$ (b) $758 \div 23 = \underline{Q-32, R-22}$

$$\begin{array}{r} 52 \\ 17 \overline{) 891} \\ \underline{-854} \\ 41 \\ \underline{-34} \\ 07 \end{array}$$

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

(iii) Divide the following:-

(a) $7891 \div 32 = \underline{Q-246, R-19}$ (b) $5268 \div 14 = \underline{Q-376, R-4}$

$$\begin{array}{r} 246 \\ 32 \overline{) 7891} \\ \underline{-64} \downarrow \\ 149 \\ \underline{-128} \downarrow \\ 211 \\ \underline{-192} \\ 019 \end{array}$$

$$\begin{array}{r} 376 \\ 14 \overline{) 5268} \\ \underline{-42} \downarrow \\ 106 \\ \underline{-98} \downarrow \\ 88 \\ \underline{-84} \\ 04 \end{array}$$

(iv) Story sums:-

(a) How many days are there in 2280 hours?

Ans- No. of hours = 2280

Hours in a day = 24

∴ No. of days in 2280

hours = 95 hours

$$\begin{array}{r} 95 \\ 24 \overline{) 2280} \\ \underline{- 216} \downarrow \\ 120 \\ \underline{- 120} \\ 000 \end{array}$$

(b) 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- No. of chairs = 5048

No. of rows = 42

∴ No. of chairs in each

row = 120 chairs

$$\begin{array}{r} 120 \\ 42 \overline{) 5048} \\ \underline{- 42} \downarrow \\ 84 \\ \underline{- 84} \downarrow \\ 08 \\ \underline{- 0} \\ 08 \end{array}$$