

Chapter-6Division

Worksheet

1. Fill in the blanks :

a) The number by which ^{we} divide is called Divisor ~~Divend~~

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 :

$$6048 \div 9$$

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

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

B) Divide the following.

$$891 \div 17$$

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

$$758 \div 23$$

$$\begin{array}{r} 32 \text{ --- } Q \\ 23 \overline{) 758} \\ \underline{46} \\ 298 \\ \underline{22} \\ 78 \\ \underline{76} \\ 2 \text{ --- } R \end{array}$$

C) Divide the following.

$$7891 \div 32$$

$$\begin{array}{r} 246 \text{ --- } Q \\ 32 \overline{) 7891} \\ \underline{64} \\ 149 \\ \underline{96} \\ 531 \\ \underline{384} \\ 147 \\ \underline{128} \\ 19 \text{ --- } R \end{array}$$

$$5268 \div 14$$

$$\begin{array}{r} 376 \text{ --- } Q \\ 14 \overline{) 5268} \\ \underline{28} \\ 246 \\ \underline{21} \\ 368 \\ \underline{252} \\ 1168 \\ \underline{112} \\ 48 \\ \underline{42} \\ 6 \text{ --- } R \end{array}$$

①) Story sums

1) How many days are there in 2280 hours?

Ans- Number of hours = 2280

Number of hours in a day = 24

Total number of days ~~are there~~ = $2280 \div 24 = 95$

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

\therefore There are 95 days in 2280 hours.

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

Ans- Number of chairs to seat = 5048

Number of rows = 42

Total Number of chairs in each row = $5048 \times 42 = 9930$

$$\begin{array}{r} 9930 \\ 42 \overline{) 5048} \\ \underline{378} \\ 126 \\ \underline{126} \\ 00 \\ \underline{0} \\ 0 - R \end{array}$$

~~$$\begin{array}{r} 9930 \\ 42 \overline{) 5048} \\ \underline{378} \\ 126 \\ \underline{126} \\ 00 \\ \underline{0} \\ 0 - R \end{array}$$~~

~~$$\begin{array}{r} 99 \\ 42 \overline{) 5048} \\ \underline{378} \\ 126 \\ \underline{126} \\ 00 \\ \underline{0} \\ 0 - R \end{array}$$~~

\therefore There are 9930 chairs in each row.