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Std-III Sec-B

Math-Ch-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:-

$$\begin{array}{r} 672 \\ 9 \overline{) 6048} \\ \underline{-54} \phantom{00} \\ 64 \phantom{00} \\ \underline{-63} \phantom{00} \\ 18 \phantom{00} \\ \underline{-18} \phantom{00} \\ 0 \end{array}$$

$$Q=672 \quad R=0$$

$$\begin{array}{r} 168 \\ 8 \overline{) 1344} \\ \underline{-8} \phantom{00} \\ 54 \phantom{00} \\ \underline{-48} \phantom{00} \\ 64 \phantom{00} \\ \underline{-64} \phantom{00} \\ 0 \end{array}$$

$$Q=168 \quad R=0$$

B) Divide the following:-

$$\begin{array}{r} 52 \\ 17 \overline{) 891} \\ \underline{-85} \phantom{1} \\ 41 \\ \underline{-34} \\ 7 \end{array}$$

$$\begin{array}{r} 32 \\ 23 \overline{) 758} \\ \underline{-69} \phantom{0} \\ 68 \\ \underline{-46} \\ 22 \end{array}$$

$$\begin{array}{r} 23 \quad 23 \\ \times 3 \quad \times 2 \\ \hline 69 \quad 46 \end{array}$$

Q=52 R=7      Q=32 R=22

C- Divide the following:-

$$\begin{array}{r} 246 \\ 32 \overline{) 7891} \\ \underline{-64} \phantom{0} \\ 149 \\ \underline{-128} \\ 211 \\ \underline{-192} \\ 19 \end{array}$$

$$\begin{array}{r} 32 \quad 32 \quad 32 \quad 32 \\ \times 2 \quad \times 4 \quad \times 7 \quad \times 6 \\ \hline 64 \quad 128 \quad 224 \quad 192 \end{array}$$

$$\begin{array}{r} 376 \\ 14 \overline{) 5268} \\ \underline{-42} \phantom{0} \\ 106 \\ \underline{-98} \\ 88 \\ \underline{-84} \\ 4 \end{array}$$

Q=32 R=19

Q=376 R=4

D- Story sums:-

1- How many days are there in 2280 hours?

Ans- No. of hours in a day = 24

$$\begin{array}{r} 24 \quad 24^{\circ} \\ \times 9 \quad \times 5 \\ \hline 216 \quad 120 \\ \hline 120 \\ \underline{-120} \\ 0 \end{array}$$

No. of hours given = 2280

No. of days in the given hours = 95

∴ So, There are 95 days in 2800 hours.

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- No. of chairs in an auditorium = 5048

No. of rows = 42

No. of chairs in each row = 120

∴ So, There are 120 chairs in each row.

$$\begin{array}{r}
 120 \\
 42 \overline{) 5048} \\
 \underline{42} \phantom{00} \\
 84 \phantom{00} \\
 \underline{84} \phantom{00} \\
 08 \\
 \underline{08} \\
 0
 \end{array}$$