

Solution of Pre-mid revision worksheet - 3

1. M.C.Q's:-

- i) Division is called as repeated subtraction
 a) Addition ☒ b) Subtraction ☒ c) Multiplication
- ii) $\text{Dividend} = \text{Divisor} \times \underline{\hspace{1cm}} + \text{Remainder}$
 a) Product b) Dividend ☒ c) Quotient
- iii) $2 \times 3 = \underline{2} + \underline{2} + \underline{2}$
 a) 2, 2, 2 ☒ b) 3, 3, 3 c) 4, 5, 6
- iv) $15 \times ? = 0$
 a) 0 ☒ b) 1 c) 157
- v) $157 \div \underline{1} = 157$
 a) 0 ☒ b) 1 c) 157
- vi) The multiplication fact of 24 is
 a) 3×8 ☒ b) 3×9 c) 5×4

2. Division by long division method. Write the divisor, Dividend, Quotient and Remainder.

$$426 \div 3 = ?$$

$$\begin{array}{r} 142 \\ 3 \overline{) 426} \\ \underline{-3} \downarrow \\ 12 \\ \underline{-12} \downarrow \\ 6 \\ \underline{-6} \\ 0 \end{array}$$

$$\therefore \text{Divisor} = 3$$

$$\text{Dividend} = 426$$

$$\text{Quotient} = 142$$

$$\text{Remainder} = 0$$

3) Divide and verify :- $26 \div 3 = ?$

$$\begin{array}{r} 8 \\ 3 \overline{) 26} \\ \underline{-24} \\ 2 \end{array}$$

$$\therefore \text{Divisor} = 3$$

$$\text{Dividend} = 26$$

$$\text{Quotient} = 8$$

$$\text{Remainder} = 2$$

Checking:-

$$\begin{aligned} \therefore \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 3 \times 8 + 2 \\ &= 24 + 2 \\ &= 26 \text{ (verified)} \end{aligned}$$

4) Multiply using expanded form :- $416 \times 4 = ?$

~~416~~ $416 \rightarrow (400 + 10 + 6)$
 $\times 4$

$$\begin{array}{r} 1600 \quad (4 \times 400) \\ + 40 \quad (4 \times 10) \\ + 24 \quad (4 \times 6) \\ \hline 1664 \end{array}$$

$$\therefore \text{Ans} = 1664$$

5) If Divisor = 5, Quotient = 12 and remainder = 3. Find the dividend,

$$\begin{aligned} \text{Dividend} &= \text{Divisor} \times \text{Quotient} + \text{Remainder} \\ &= 5 \times 12 + 3 \\ &= 60 + 3 \\ &= 63 \end{aligned}$$

$$\therefore \text{Dividend} = 63. \text{ (Ans)}$$

6) Nita's bengali copy contained 50 pages and each page having 16 lines. How many lines are there in the total?

⇒ Number of pages in bengali copy = 50
 " " lines in one page = 16
 x

$$\therefore \text{Total number of lines} = (50 \times 16) \\ = 800$$

$$\begin{array}{r} 50 \\ \times 16 \\ \hline 300 \\ + 50 \times \\ \hline 800 \end{array}$$

∴ There are 800 lines in total.

7) John plants 112 mango trees in 8 rows. How many mango trees will be there in each row?

⇒ Total number of mango trees = 112
 Number of rows = 8

$$\text{Number of rows in each row} = (112 \div 8) \\ = 14$$

$$\begin{array}{r} 14 \\ 8 \overline{) 112} \\ \underline{- 8 } \\ 32 \\ \underline{- 32} \\ 0 \end{array}$$

∴ There will be 14 number of trees in each row.