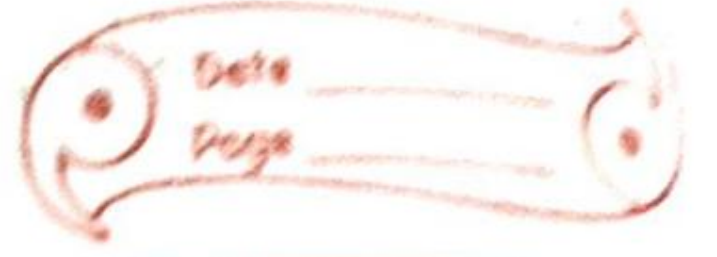


28/09/2024

Aayush Borapati
Homework - 1



12(A)

$$Q-33) \frac{5}{12} m = -12 = 48$$

$$\Rightarrow \frac{5}{12} m = 48 + 12 = 60$$

$$\Rightarrow 5m = 60 \times 12 = 720$$

$$\Rightarrow m = \frac{720}{5} = 144$$

$$\Rightarrow m = 144$$

12(C)

$$24) \frac{2x+1}{3x-2} = \frac{1}{4}$$

$$\Rightarrow \frac{2x+1}{3x-2} = \frac{5}{42} \times \frac{3x-2}{3x-2} = \frac{14}{42}$$

$$\Rightarrow 3x = \frac{14}{2} = 7 + 4 = 13$$

$$\Rightarrow x = 13 - 3 = 10 - 5 = 5 - 3 = 2$$

$$\Rightarrow x = 2$$

.12(D)

11) Let the number be $x, x+2, x+4$

$$\Rightarrow x + x + 2 + x + 4 = 63$$

$$\Rightarrow 3x + 6 = 63$$

$$\Rightarrow 3x = 63 - 6 = 57$$

$$\Rightarrow x = \frac{57}{3} = 19$$

$$x = 19$$

$$x + 2 = 19 + 2 = 21$$

$$x + 4 = 19 + 4 = 23$$

$\therefore 19, 21, 23$