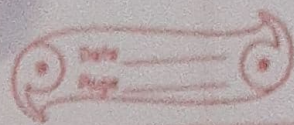


Home assignment



Ex-12A

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

$$\Rightarrow \frac{\sum}{12} m - 12 = 48$$

$$\Rightarrow \frac{\sum}{12} m = 48 + 12$$

$$= \sum m = 60 \times 12 = 720$$

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

$$\therefore m = 144$$

Ex 12C

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

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

$$\Rightarrow \frac{2x+1}{3x-2} = \frac{5}{4}$$

\therefore By cross multiplication

$$(3x-2) \times 5 = 4(2x+1)$$

$$\Rightarrow 15x - 10 = 8x + 4$$

$$= 15x - 8x = 4 + 10 \Rightarrow 7x = 14 \Rightarrow x = \frac{14}{7} = 2$$

$$\therefore x = 2$$

Ex 12D

11) The sum of three consecutive odd numbers is 63. Find the numbers.

Soln) Let the first odd no. = x

Second odd no. = $x + 2$

Third odd no. = $x + 4$

$$= x + x + 2 + x + 4 = 63$$

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

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

\therefore First odd number is 19

Second odd number is $19 + 2 = 21$

Third odd number is $19 + 4 = 23$