

HW
28.9.21

Home Assignment

12(A)

$$32. \frac{5}{12}m - 12 = 48$$

$$\text{Ans} \rightarrow \frac{5}{12}m = 48 + 12 = 60$$

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

$$\Rightarrow m = \frac{60 \times 12}{5} = 144$$

$$\therefore m = 144$$

12(C)

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

$$\text{Ans} \rightarrow \frac{2x+1}{3x-2} = \frac{5}{4}$$

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

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

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

$$\Rightarrow -7x = -14$$

$$\Rightarrow x = \frac{-14}{-7} = 2$$

$$\therefore x = 2$$

12(D)

11. The sum of 3 consecutive odd numbers is 63. Find the numbers.

Ans- Let x be the first odd number.

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

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

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

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

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

$$\therefore x = 19$$

$$\therefore x = 19$$

$$\therefore x + 2 = 21$$

$$\therefore x + 4 = 23$$