Simple Linear Equation

Ex-12(A)

Equation:

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

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

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

Ex-12(C)

Solve:

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

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

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

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

$\therefore x = 2$

Ex-12(D)

(11) Let the first odd number $= x$.

Let the second odd number $= x + 2$

Let the third odd number $= x + 4$

According To Question,

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

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

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

First odd number $= 19$

Second odd number = 19 + 2 = 21

Third odd number = 19 + 4 = 23