

**CHAPTER - 4**  
**SIMPLE EQUATIONS**

Class -VII Mathematics (Ex. 4.3)

**Question 1. Solve the following equations:**

(a)  $2y + \frac{5}{2} = \frac{37}{2}$

(b)  $5t + 28 = 10$

(c)  $\frac{a}{5} + 3 = 2$

(d)  $\frac{q}{4} + 7 = 5$

(e)  $\frac{5x}{2} = 10$

(f)  $\frac{5x}{2} = \frac{25}{2}$

(g)  $7m + \frac{19}{2} = 13$

(h)  $6z + 10 = -2$

(i)  $\frac{3l}{2} = \frac{2}{3}$

(j)  $\frac{2b}{3} - 5 = 3$

**Answer:** (a)  $2y + \frac{5}{2} = \frac{37}{2}$

$$\Rightarrow 2y = \frac{37}{2} - \frac{5}{2}$$

$$\Rightarrow 2y = \frac{37-5}{2}$$

$$\Rightarrow 2y = \frac{32}{2}$$

$$\Rightarrow 2y = 16$$

$$\therefore y = 8 \text{ Ans.}$$

**Question 2. Solve the following equations:**

(a)  $2(x+4) = 12$

(b)  $3(n-5) = 21$

(c)  $3(n-5) = -21$

(d)  $3 - 2(2-y) = 7$

(e)  $-4(2-x) = 9$

(f)  $4(2-x) = 9$

(g)  $4 + 5(p-1) = 34$

(h)  $34 - 5(p-1) = 4$

**Answer:** (a)  $2(x+4) = 12$

$$\Rightarrow 2 \times x + 2 \times 4 = 12$$

$$\Rightarrow 2x = 12 - 8$$

$$\Rightarrow 2x = 4$$

$$\therefore x = 2 \text{ Ans.}$$

*Do your Self***Remaining Questions**