

VIII - Ch 2 Linear Equations in one Variable Ex 2.3

NCERT Solutions by Dev Anoop (Bathinda)

$$8. \frac{2x}{3} + 1 = \frac{7x}{15} + 3$$

$$(\times 15) \frac{2x}{3} \times \frac{5}{15} + 1 \times 15 = \frac{7x}{15} \times \frac{1}{15} + 3 \times 15$$

$$\Rightarrow 10x + 15 = 7x + 45$$

$$\Rightarrow 10x - 7x = 45 - 15$$

$$\Rightarrow 3x = 30$$

$$\Rightarrow x = \frac{30}{3}$$

$$\Rightarrow x = 10$$

$$9. 2y + \frac{5}{3} = \frac{26}{3} - y$$

$$(\times 3) 2y \times 3 + \frac{5}{3} \times 3 = \frac{26}{3} \times 3 - y \times 3$$

$$\Rightarrow 6y + 5 = 26 - 3y$$

$$\Rightarrow 6y + 3y = 26 - 5$$

$$\Rightarrow 9y = 21$$

$$\Rightarrow y = \frac{21}{9}$$

$$\Rightarrow y = \frac{7}{3}$$

VIII - Ch 2 Linear Equations in one Variable Ex 2.3

NCERT Solutions by Dev Anoop (Bathinda)