

## VIII - Ch 2 Linear Equations in one Variable Ex 2.1

NCERT Solutions by Dev Anoop (Bathinda)

$$1. \quad x - 2 = 7$$

$$\Rightarrow x = 7 + 2$$

$$\Rightarrow x = 9$$

$$2. \quad y + 3 = 10$$

$$\Rightarrow y = 10 - 3$$

$$\Rightarrow y = 7$$

$$3. \quad 6 = z + 2$$

$$\Rightarrow z = 6 - 2$$

$$\Rightarrow z = 4$$

$$4. \quad \frac{3}{7} + x = \frac{17}{7}$$

$$\Rightarrow x = \frac{17}{7} - \frac{3}{7}$$

$$= \frac{17-3}{7}$$

$$= \frac{14}{7}$$

$$\Rightarrow x = 2$$

$$5. \quad 6x = 12$$

$$\Rightarrow x = \frac{12}{6}$$

$$\Rightarrow x = 2$$

$$6. \quad \frac{t}{5} = 10$$

$$\Rightarrow t = 10 \times 5$$

$$\Rightarrow t = 50$$

$$7. \quad \frac{2x}{3} = 18$$

$$\Rightarrow x = 18 \times \frac{3}{2}$$

$$\Rightarrow x = 27$$

$$8. \quad 1.6 = \frac{y}{1.5}$$

$$\Rightarrow y = 1.6 \times 1.5$$

$$\Rightarrow y = 2.4$$

$$9. \quad 7x - 9 = 16$$

$$\Rightarrow 7x = 16 + 9$$

$$\Rightarrow 7x = 25$$

$$\Rightarrow x = \frac{25}{7}$$

$$10. \quad 14y - 18 = 13$$

$$\Rightarrow 14y = 13 + 18$$

$$\Rightarrow y = \frac{31}{14}$$

$$\Rightarrow y = \frac{3}{2}$$