

Worksheet-7

Subject: - Mathematics

Class: - VIII

Teacher: - Ms. Nancy

Name: _____ Class & Sec: _____ Roll No. _____ Date: 24.03.2020

Chapter 2 Exercise 2.1

16/4/19

Ch-2
Linear Equations in one Variable
Exercise = 2.1

Q1 solve:

i) $x - 2 = 7$
 $\Rightarrow x = 7 + 2$
 $\Rightarrow x = 9$

ii) $y + 3 = 10$
 $\Rightarrow y = 10 - 3$
 $\Rightarrow y = 7$

iii) $6 = z + 2$
 $\Rightarrow 6 - 2 = z$
 $\Rightarrow 4 = z$

iv) $\frac{3}{7} + x = \frac{17}{7}$
 $\Rightarrow x = \frac{17}{7} - \frac{3}{7}$
 $\Rightarrow x = \frac{14}{7} = 2$

v) $6x = 12$
 $\Rightarrow x = \frac{12}{6}$
 $\Rightarrow x = 2$

$$\text{vi) } \frac{t}{5} = 10$$

$$\Rightarrow \frac{t}{5} = 10$$

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

$$\Rightarrow t = 50$$

$$\text{vii) } \frac{2n}{3} = 18$$

$$\Rightarrow 2n = 18 \times 3$$

$$\Rightarrow 2n = 54$$

$$\Rightarrow n = \frac{54}{2}$$

$$\Rightarrow n = 27$$

$$\text{viii) } 1.6 = \frac{y}{1.5}$$

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

$$\Rightarrow 2.4 = y$$

$$\text{ix) } 7n - 9 = 16$$

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

$$\Rightarrow 7n = 25$$

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

$$x) \quad 14y - 8 = 13$$

$$\Rightarrow 14y - 8 = 13$$

$$\Rightarrow 14y = 13 + 8$$

$$\Rightarrow 14y = 21$$

$$\Rightarrow y = \frac{21}{14}$$

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

$$xi) \quad 17 + 6p = 9$$

$$\Rightarrow 17 + 6p = 9$$

$$\Rightarrow 6p = 9 - 17$$

$$\Rightarrow 6p = -8$$

$$\Rightarrow p = \frac{-8}{6}$$

$$\Rightarrow p = \frac{-4}{3}$$

$$xii) \quad \frac{x}{3} + 1 = \frac{7}{15}$$

$$\Rightarrow \frac{x}{3} = \frac{7}{15} - 1$$

$$\Rightarrow \frac{x}{3} = \frac{-8}{15}$$

$$\Rightarrow x = \frac{-8}{15} \times 3$$

$$\Rightarrow x = \frac{-8}{5}$$