

# Holiday Homework 2021-22

## Weekly Learning Package Number - 5

### ANSWERS

### Class – VIII

**Subject Teachers:** Punjabi - Mrs. Manjeet Kaur,  
Mathematics - Mrs. Nancy / Ms. Neeru Behl

#### Punjabi –

1. ਹੇਠ ਲਿਖੇ ਸ਼ਬਦਾਂ ਦੇ ਲਿੰਗ ਬਦਲੋ :

1. ਮੋਰ
2. ਦਾਸ
3. ਸ਼ੇਰ
4. ਸੰਤ
5. ਗੁਆਂਢੀ
6. ਸੇਵਕ
7. ਅਧਿਆਪਕਾ
8. ਮਰਦ
9. ਵਿਦਿਆਰਥੀ
10. ਰਾਜਾ

#### Answer:

1. ਮੋਰਨੀ
2. ਦਾਸੀ
3. ਸ਼ੇਰਨੀ

4. ਸੰਤਈ
5. ਗੁਆਂਢਣ
6. ਸੇਵਕਾ
7. ਅਧਿਆਪਕ
8. ਤੀਵੀਂ
9. ਵਿਦਿਆਰਥਣ
10. ਰਾਈ

## Mathematics –

1. **Solve for the unknown in the following equation:**

(i)  $13y = -12y + 100$

(ii)  $5x + -3 = 12$

(iii)  $7(m - 9) = 35$

(iv)  $16 - 3(x - 7) = -14$

(v)  $\frac{m}{4} = \frac{1}{2}$

(vi)  $\frac{x}{7} = 4.5$

$$(vii) \quad \frac{5z-7}{3z} = 2$$

$$(viii) \quad \frac{2y+5}{y+4} = 1$$

$$(ix) \quad \frac{2x+1}{3x-2} = \frac{5}{9}$$

$$(x) \quad \frac{x}{2} + \frac{x}{3} + \frac{x}{4} = 13$$

### Answer

$$(i) \quad 13y = -12y + 100$$

$$13y + 12y = 100$$

$$25y = 100$$

$$y = \frac{100}{25} = 4$$

25

$$(ii) \quad 5x + -3 = 12$$

$$5x - 3 = 12$$

$$5x = 12 + 3$$

$$5x = 15$$

$$x = \frac{15}{5} = 3$$

5

$$(iii) \quad 7(m - 9) = 35$$

$$m - 9 = \frac{35}{7}$$

$$m - 9 = 5$$

$$m = 5 + 9 = 14$$

$$(iv) \quad 16 - 3(x - 7) = -14$$

$$16 - 3x + 21 = -14$$

$$-3x + 37 = -14$$

$$37 + 14 = 3x$$

$$51 = 3x$$

$$\frac{51}{3} = x$$

$$17 = x$$

$$x = 17$$

$$(v) \quad \frac{m}{4} = \frac{1}{2}$$

$$m = \frac{1 \times 4}{2} = \frac{4}{2} = 2$$

$$m = \frac{1 \times 4}{2} = \frac{1 \times 2}{1} = 2$$

$$(vi) \quad \frac{x}{7} = 4.5$$

$$x = 7 \times 4.5$$

$$x = 31.5$$

$$= 31.5$$

$$(vii) \quad \underline{5z - 7} = 2$$

$$3z$$

$$5z - 7 = 6z$$

$$-7 = 6z - 5z$$

$$-7 = z$$

$$z = -7$$

$$(viii) \quad \underline{2y + 5} = 1$$

$$y + 4$$

$$2y + 5 = y + 4$$

$$2y - y = 4 - 5$$

$$y = -1$$

$$(ix) \quad \underline{2x + 1} = \underline{5}$$

$$3x - 2 \quad 9$$

$$9(2x + 1) = 5(3x - 2)$$

$$18x + 9 = 15x - 10$$

$$18x - 15x = -10 - 9$$

$$3x = -19$$

$$x = \underline{-19}$$

$$3$$

$$\begin{aligned}(\mathbf{x}) \quad & \frac{x}{2} + \frac{x}{3} + \frac{x}{4} = \mathbf{13} \\ & \frac{(x \times 6) + (x \times 4) + (3 \times x)}{12} = \mathbf{13} \\ & \frac{(6x + 4x + 3x)}{12} = \mathbf{13} \\ & \frac{13x}{12} = \mathbf{13} \\ \mathbf{x} &= \frac{13 \times 12}{13} \\ \mathbf{x} &= 12\end{aligned}$$

**Stay Home, Stay Safe, Be Healthy, Be Happy**