

Hw  
18.8.21

22.A



$$\begin{aligned} \text{i.) } x + 2 &= 6 \\ x &= 6 - 2 \\ &= 4 \end{aligned}$$

$$\begin{aligned} \text{ii.) } x + 6 &= 2 \\ x &= 2 - 6 \\ &= -4 \end{aligned}$$

$$\begin{aligned} \text{iii.) } y + 8 &= 5 \\ y &= 5 - 8 = -3 \end{aligned}$$

$$\begin{aligned} \text{iv.) } x + 4 &= -3 \\ x &= -3 - 4 = -7 \\ &- \end{aligned}$$

$$\begin{aligned} \text{v.) } y + 2 &= -8 \\ y &= -8 - 2 = -10 \end{aligned}$$

$$\begin{aligned} \text{vi.) } b + 2.5 &= 4.2 \\ b &= 4.2 - 2.5 = 1.7 \end{aligned}$$

$$\begin{aligned} \text{vii.) } p + 4.6 &= 8.5 \\ p &= 8.5 - 4.6 = 3.9 \end{aligned}$$

$$\begin{aligned} \text{viii.) } y + 3.2 &= -6.5 \\ y &= -6.5 - 3.2 = -9.8 \end{aligned}$$

$$\begin{aligned} \text{ix.) } a + 8.9 &= -12.6 \\ a &= -12.6 - 8.9 = -21.5 \end{aligned}$$

$$\begin{aligned} \text{x.) } x + 2\frac{1}{3} &= 5 \\ x &= 5 - 2\frac{1}{3} = \frac{15}{3} - \frac{7}{3} = \frac{8}{3} = 2\frac{2}{3} \end{aligned}$$

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$$\text{x i)} z+2 = 4\frac{1}{5} \quad z = \frac{41}{5} - 2 = \frac{10-20-10}{5}$$

$$\text{x i)} z+2 = 4\frac{1}{5} = z = 4\frac{1}{5} - 2 = \frac{21-10}{5} = \frac{11}{5} = 2\frac{1}{5}$$

$$\text{x i i)} m + 3\frac{1}{2} = 4\frac{1}{4} = m = 4\frac{1}{4} - 3\frac{1}{2} = \frac{17-14}{4} = \frac{3}{4}$$

$$\text{x i i i)} x+2 = 1\frac{1}{4} = x = 1\frac{1}{4} - 2 = \frac{5-8}{4} = -\frac{3}{4}$$

$$\text{x i v)} y + 5\frac{1}{3} = 4 = y = 4 - 5\frac{1}{3} = \frac{-15-16-12-16}{3} = -\frac{1}{3}$$

$$\text{x v)} a + 3\frac{1}{5} = 1\frac{1}{2} = a = 1\frac{1}{2} - 3\frac{1}{5} = \frac{15-32}{10} = -\frac{17}{10}$$

$$\text{(2) i)} x-3=2=x=2+3=5$$

$$\text{i i)} m-2=-5 \\ m = -5+2 \\ = -3$$

$$\text{i i i)} b-5=7 \\ b = 7+5 = 12$$

$$\text{i v)} a-2.5=-4 \\ a = -4+2.5 = -1.5$$

$$\text{v)} y - 3\frac{1}{2} = 6 = y = 6 + 3\frac{1}{2} = \frac{12+7}{2} = \frac{19}{2} = 9\frac{1}{2}$$

$$\text{v i)} z - 2\frac{1}{3} = -6 = z = -6 + 2\frac{1}{3} = \frac{-18-7}{3} = -\frac{25}{3} = -8\frac{1}{3}$$

vii)  $p - 5.4 = 2.7$   
 $p = 2.7 + 5.4 = 8.1$

viii)  $x - 1.5 = -4.9$   
 $x = -4.9 + 1.5 = -3.4$

ix)  $n - 4 = -\frac{41}{5} = n = -\frac{41}{5} + 4 = \frac{-21 + 20}{5} = \frac{-1}{5}$

3. i)  $3x = 12$   
 $x = \frac{12}{3} = 4$

ii)  $2y = 9$   
 $y = \frac{9}{2} = 4\frac{1}{2}$

iii)  $5z = 8.5$   
 $z = \frac{8.5}{5} = 1.5$

iv)  $2.5m = 7.5$   
 $m = \frac{7.5}{2.5} = 3$

v)  $3.2p = 16$

vi)  $2a = 4.6$   
 $a = \frac{4.6}{2} = 2.3$

$$\textcircled{4.} \text{ i.) } x = 5$$
$$2 x = 5 \times 2 = 10$$

$$\text{ii.) } y = -2$$
$$3 y = -2 \times 3 = -6$$

$$\text{iii.) } a = -15$$
$$5 a = -15 \times 5 = -75$$

$$\text{iv.) } z = 3 \frac{1}{4}$$
$$z = 13$$
$$4 z = 13 \times 4 = 52$$

$$\text{v.) } \frac{z}{4} = 3 \quad \frac{m}{6} = 2 \frac{1}{2}$$

$$\frac{m}{6} = 5$$
$$6 m = 5 \times 6 = 30$$

$$\text{vi.) } \frac{n}{7} = -2.8$$
$$n = -2.8 \times 7$$
$$n = 19.6$$

$$\textcircled{5.} \text{ i.) } -2x = 8$$
$$x = 8 \div (-2) = -4$$

$$\text{ii.) } -3.5y = 14$$
$$y = 14 \div (-3.5) = \frac{-2 \cdot 7}{14}$$

$$\text{iii.) } -5z = 4$$

$$z = 4 \div (-5) = \frac{4}{-5} = -\frac{4}{5}$$

$$\text{iv.) } -5 = a + 3$$

$$a = -5 - 3 = -8$$

$$\text{v.) } 2 = p + 5$$

$$p = 2 - 5 = -3$$

$$\text{vi.) } 4.5 = m - 2.7$$

$$m = 2.7 + 4.5 = 7.2$$

$$\text{vii.) } 3\frac{2}{5} = x - 2\frac{1}{3}$$

$$x = 2\frac{1}{3} + 3\frac{2}{5} = \frac{35}{15} + \frac{51}{15} = \frac{86}{15} = 5\frac{11}{15}$$

$$\text{viii.) } 5 = m + 3\frac{4}{7}$$

$$m = 3\frac{4}{7} - 5 = 25 - 5 = 20$$

$$\text{ix.) } -2\frac{1}{5} = y - 4$$

$$y = 4 + (-2\frac{1}{5}) = 4 + (-11) = 7 = -1\frac{2}{5}$$