

# EXERCISE # 2B

## BASIC LEVEL

Q1: Find the value of each of the following

(a)  $6 + (-2)$

$$= +6 - 2$$

$$= +4 \text{ Ans}$$

(c)  $4 + (-10)$

$$= 4 - 10$$

$$= +4 - 10$$

$$= -6 \text{ Ans}$$

(d)  $-1 + (-7)$

$$= -1 - 7$$

$$= -8 \text{ Ans}$$

(f)  $-11 + (-5)$

$$= -11 - 5$$

$$= -16 \text{ Ans}$$

(h)  $1 + (-8)$

$$= +1 - 8$$

$$= -7 \text{ Ans}$$

∴ Remember:

+	-	=	-
-	+	=	-
+	+	=	+
-	-	=	+

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Q2:- Evaluate each of the following.

$$(a) \quad -(-7)$$

$$= +8$$

$$= 8 \text{ Ans}$$

$$(c) \quad -4 - 7$$

$$= -4 - 7$$

$$= -11 \text{ Ans}$$

$$(e) \quad -1 - (-10)$$

$$= -1 + 10$$

$$= +9$$

$$= 9 \text{ Ans}$$

$$(g) \quad -8 - 3$$

$$= -8 - 3$$

$$= -11 \text{ Ans}$$

EXERCISE # 2C

BASIC LEVEL

Q1:- Find the value of each of the following.

$$\begin{aligned} \text{(a)} \quad & 3 \times (-9) \\ & = 3 \times (-9) \\ & = -(3 \times 9) \\ & = -27 \text{ Ans} \end{aligned}$$

$$\begin{aligned} \text{(e)} \quad & -2(-7) \\ & = +(2 \times 7) \end{aligned}$$

$$\begin{aligned} \text{(b)} \quad & -8 \times 4 \\ & = -8 \times 4 \\ & = -32 \text{ Ans} \end{aligned}$$

$$\begin{aligned} & = +14 \\ & = 14 \text{ Ans} \end{aligned}$$

$$\begin{aligned} \text{(c)} \quad & -7 \times (-5) \\ & = +(7 \times 5) \\ & = +35 \end{aligned}$$

$$\begin{aligned} \text{(f)} \quad & -6 \times 0 \\ & = 0 \text{ Ans} \end{aligned}$$

$$= 35 \text{ Ans}$$

$$\begin{aligned} \text{(d)} \quad & -1 \times (-6) \\ & = +(1 \times 6) \\ & = +6 \\ & = 6 \text{ Ans} \end{aligned}$$

Q2:- Evaluate the following.

(a)  $-21 \div 7$

$$= \frac{-21}{7} = \frac{-3}{1} = -3 \text{ Ans}$$

(b)  $16 \div (-2)$

$$= \frac{16}{-2} = \frac{8}{-1} = -8 \text{ Ans}$$

(c)  $-8 \div (-2)$

$$= \frac{-8}{-2} = \frac{8}{2} = \frac{4}{1} = 4 \text{ Ans}$$

(d)  $-\frac{14}{2}$

$$= \frac{-14}{2} = \frac{-7}{1} = -7 \text{ Ans}$$

(e)  $\frac{15}{-5}$

$$= \frac{15}{-5} = \frac{3}{-1} = -3 \text{ Ans}$$

Q3:- Find the square root of each of the following numbers.

(a) 81

$$\begin{aligned}\text{Square root of } 81 &= \pm \sqrt{81} \\ &= \pm \sqrt{(9)^2} \\ &= \pm 9 \text{ Ans}\end{aligned}$$

(b) 16.

$$\begin{aligned}\text{Square root of } 16 &= \pm \sqrt{(4)^2} \\ &= \pm 4 \text{ Ans}\end{aligned}$$

(c) 25

$$\begin{aligned}\text{Square root of } 25 &= \pm \sqrt{25} \\ &= \pm \sqrt{(5)^2} \\ &= \pm 5 \text{ Ans}\end{aligned}$$

(d) 100

$$\begin{aligned}\text{Square root of } 100 &= \pm \sqrt{100} \\ &= \pm \sqrt{(10)^2} \\ &= \pm 10 \text{ Ans}\end{aligned}$$