

1.7.21

## Exercise - 9(A)

$$\begin{aligned} 1. \quad & 19 - (1 + 5) - 3 \\ & = 19 - 6 - 3 \\ & = ~~14~~ 13 - 3 \\ & = 10 \end{aligned}$$

$$\begin{aligned} 2. \quad & 30 \times 6 \div (5 - 2) \\ & = 30 \times 6 \div 3 \\ & = 30 \times 2 \\ & = 60 \end{aligned}$$

$$\begin{aligned} 3. \quad & 28 - (3 \times 8) \div 6 \\ & = 28 - 24 \div 6 \\ & = 28 - 4 \\ & = 24 \end{aligned}$$

$$\begin{aligned} 4. \quad & 9 - [(4 - 3) + 2 \times 5] \\ & = 9 - [1 + 2 \times 5] \\ & = 9 - [1 + 10] \\ & = 9 - 11 \\ & = -2 \end{aligned}$$

$$\begin{aligned} 5. \quad & [18 - (15 \div 5) + 6] \\ & = [18 - 3 + 6] \\ & = ~~[15 + 6]~~ [15 + 6] \\ & = 21 \end{aligned}$$

$$\begin{aligned} 6. \quad & [(4 \times 2) - (4 \div 2)] + 8 \\ & = [8 - 2] + 8 \\ & = 6 + 8 \\ & = 14 \end{aligned}$$

$$\begin{aligned}
 7. \quad & 48 + 96 \div 24 - 6 \times 18 \\
 & = 48 + 4 - 6 \times 18 \\
 & = 48 + 4 - 108 \\
 & = 52 - 108 \\
 & = -56
 \end{aligned}$$

$$\begin{aligned}
 8. \quad & 22 - [3 - \{8 - (4 + 6)\}] \\
 & = 22 - [3 - \{8 - 10\}] \\
 & = 22 - [3 + 2] \\
 & = 22 - 5 \\
 & = 17
 \end{aligned}$$

$$\begin{aligned}
 9. \quad & 34 - [29 - \{30 + 66 \div (24 - \overline{28 - 26})\}] \\
 & = 34 - [29 - \{30 + 66 \div (24 - 2)\}] \\
 & = 34 - [29 - \{30 + 66 \div 22\}] \\
 & = 34 - [29 - \{30 + 3\}] \\
 & = 34 - [29 - 33] \\
 & = 34 + 4 \\
 & = 38
 \end{aligned}$$

$$\begin{aligned}
 10. \quad & 60 - \{16 \div (4 \times 6 - 8)\} \\
 & = 60 - \{16 \div (24 - 8)\} \\
 & = 60 - \{16 \div 16\} \\
 & = 60 - 1 \\
 & = 59
 \end{aligned}$$

$$\begin{aligned}
 11. \quad & 25 - [12 - \{5 + 18 \div (4 - \overline{5 - 3})\}] \\
 & = 25 - [12 - \{5 + 18 \div (4 - 2)\}] \\
 & = 25 - [12 - \{5 + 18 \div 2\}] \\
 & = 25 - [12 - \{5 + 9\}] \\
 & = 25 - [12 - 14] \\
 & = 25 + 2 \\
 & = \cancel{25} + 2 \\
 & = 27
 \end{aligned}$$

$$\begin{aligned} 12 \quad & 15 - [16 - \{12 + 21 \div (9 - 2)\}] \\ & = 15 - [16 - \{12 + 21 \div 7\}] \\ & = 15 - [16 - \{12 + 3\}] \\ & = 15 - [16 - 15] \\ & = 15 - 1 \\ & = 14 \end{aligned}$$