

Ex-9.1

$$\begin{aligned} 1: & 19 - (1 + 5) - 3 \\ & = 19 - (1 + 5) - 3 \\ & = 19 - 6 - 3 \\ & = ~~12~~ - 3 \\ & = 13 - 3 \\ & = 10 \end{aligned}$$

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

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

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

$$10. 60 - \{ 16 \div (4 \times 6 - 8) \}$$

$$60 - \{ 16 \div (4 \times 6 - 8) \}$$

$$= 60 - \{ 16 \div (24 - 8) \}$$

$$= 60 - \{ 16 \div 16 \}$$

$$= 60 - 1$$

$$= 59$$

$$11. 25 - [12 - \{ 5 + 18 \div (4 - 5 - 3) \}]$$

$$25 - [12 - \{ 5 + 18 \div (4 - 5 - 3) \}]$$

$$= 25 - [12 - \{ 5 + 18 \div (4 - 2) \}]$$

$$= 25 - [12 - \{ 5 + 18 \div 2 \}]$$

$$= 25 - [12 - \{ 5 + 9 \}]$$

$$= 25 - [12 - 14]$$

$$= 25 - (-2)$$

$$= 25 + 2$$

$$= 27$$

Ex-9.1

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

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

$$\begin{aligned}
 5. & \quad [18 - (15 \div 5) + 6] \\
 & \quad [18 - (15 \div 5) + 6] \\
 & \quad = [18 - 3 + 6] \\
 & \quad = [18 - 9] \\
 & \quad = 9 \\
 & \quad = 21
 \end{aligned}$$

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

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

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

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