

$$= 36 \div 6 \times 3 - 4 + 8$$

Division: $36 \div 6$

$$= 6 \times 3 - 4 + 8$$

Multiplication:

$$= 18 - 4 + 8$$

Addition: $18 + 8$

$$= 26 - 4$$

Subtraction: $26 - 4$

$$= 22$$

Swarnit Math class-VI sec-B

Evaluation question 9A

1. $19 - (1 + 5) - 3$

2. $2.30 \times 6 \div (5 - 2)$

3. $28 - (3 \times 8) \div 6$

4. $9 - [(4 - 3) + 2 \times 5]$

5. $[18 - (15 \div 5) + 6]$

6. $[(4 \times 2) - (4 \div 2)] + 8$

7. $48 + 96 \div 24 - 6 \times 18$

8. $22 - [3 - \{8 - (4 + 6)\}]$

Answer

$$1. 19 - 1 + 5 - 3$$

$$= 19 - 6 - 3$$

$$= 10$$

$$2. 28 - (3 \times 8) \div 6$$

$$= 28 - 24 \div 6$$

$$= 28 - 4$$

$$= 24$$

$$3. 28 - (3 \times 8) \div 6$$

$$= 28 - 24 \div 6$$

$$= 28 - 4$$

$$= 24$$

$$4. 9 - [(4 - 3) + 2 \times 5]$$

$$= 9 - [1 + 2 \times 5]$$

$$= 9 - 1 + 10$$

$$= 9 - 11$$

$$= -2$$

$$5. [18 - (15 - 5) + 6]$$

$$= [18 - 3 + 6]$$

$$= 18 - 9$$

$$= 9$$

$$6. [(4 \times 2) - (4 - 2)] + 2$$

$$= [8 - 2] + 2$$

$$= [8 - (4 - 2)] + 2$$

$$= [8 - 2] + 2$$

$$= 6 + 2$$

$$= 8$$

$$7. 48 + 96 - 24 - 6 \times 12$$

$$= 48 + 4 - 6 \times 18$$

$$= 48 + 4 - 108$$

$$= 52 - 108$$

$$= -56$$

$$8. 22 - [3 - \{8 - \{8 - (4 - 6)\}\}]$$

$$= 22 - [3 - \{8 - \{8 - 10\}\}]$$

$$= 22 - [3 - \{8 - 2\}]$$

$$= 22 - [3 - 6]$$

$$= 22 - 3$$

$$= 19$$

$$= 22 - [-7]$$

$$= 22 + 7 = 29$$

$$9. 34 - [29 - \{30 + 66 -$$

$$(24 - 28 - 26)\}]$$

$$= 34 - [29 - \{30 + 66 - (24 - 28)\}]$$

$$= 34 - [29 - \{30 + 66 - 22\}]$$

$$= 34 - [29 - 96 - 22]$$

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

$$\begin{aligned}
 10. & \quad 60 - \{16 \div [30 + 66 \div (24 - 28 - 26)]\} \\
 & \quad 60 - \{16 \div (4 \times 6 - 8)\} \\
 & = 60 - \{16 \div (24 - 8)\} \\
 & = 60 - \{16 \div 16\} \\
 & = 60 - \{4\} \\
 & = 60 + 4 \\
 & = 64
 \end{aligned}$$

$$\begin{aligned}
 10. & \quad 60 - \{16 \div [30 + 66 \div (24 - 28)]\} \\
 & \quad 60 - \{16 \div (4 \times 6 - 8)\} \\
 & = 60 - \{16 \div (24 - 8)\} \\
 & = 60 - \{16 \div 16\} \\
 & = 60 - 1 \\
 & = 59
 \end{aligned}$$

$$\begin{aligned}
 11. & \quad 25 - [12 - \{5 + 18 \div (4 - 5 - 3)\}] \\
 & = 25 - [12 - \{5 + 18 \div (4 - 2)\}] \\
 & = 25 - [12 - \{5 + 18 \div 2\}] \\
 & = 25 - [12 - \{23\}] \\
 & = 25 - [12 - 1] \\
 & = 25 - [9] \\
 & = 16
 \end{aligned}$$

$$\begin{aligned}
11 & 25 - [12 - \{5 + 18 \div (4 - 5 - 3)\}] \\
& = 25 - [12 - \{5 + 18 \div (4 - 2)3\}] \\
& = 25 - [12 - \{5 + 18 \div 23\}] \\
& = 25 - [12 - \{5 + 9\}] \\
& = 25 - [12 - 14] \\
& = 25 - [-2] \\
& = 25 + 2 \\
& = 27
\end{aligned}$$

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