

1. 4. 21
HW

Playing with numbers

Exercise 9(A)

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

Solution = $19 - 6 - 3$
 $= 19 - 9$
 $= 10$

2. $30 \times 6 \div (5 - 2)$

Solution = $30 \times 6 \div 3$
 $= 30 \times 2$
 $= 60$

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

Solution = $28 - 24 \div 6$
 $= 28 - 4$
 $= 24$

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

Solution = $9 - [1 + 10]$
 $= 9 - 11$
 $= -2$

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

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

$$= 18 - 3$$

$$= 15 + 6$$

$$= 21$$

$$= 18 + 6$$

$$= 24 - 3$$

$$= 21$$

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

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

$$= 6 + 8$$

$$= 14 \text{ ans.}$$

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

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

$$= 48 + 4 - 108$$

$$= 52 - 108$$

$$= -56 \text{ (ans)}$$

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

$$\text{answer} - 22 - [3 - \{8 - 10\}]$$

$$= 22 - [3 - (-2)]$$

$$= 22 - [3 + 2]$$

$$= 22 - 5 = 17 \text{ (answer)}$$

$$9. \quad 34 - [29 - \{30 + 66 \div (24 - 28 - 26)\}]$$

$$= 34 - [29 - \{30 + 66 + (24 - 2)\}]$$

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

$$= 34 - [29 - \{30 + 3\}]$$

$$\begin{aligned}
 &= 34 - [29 - 33] \\
 &= 34 - [-4] \\
 &= 34 + 4 \\
 &= 38
 \end{aligned}$$

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

$$\begin{aligned}
 &= 60 - \{16 \div (24 - 8)\} \\
 &= 60 - \{16 \div 16\} \\
 &= 60 - 1 \\
 &= 59
 \end{aligned}$$

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

$$\begin{aligned}
 &= 25 - [12 - \{5 + 18 \div (4 - 2)\}] \\
 &= 25 - [12 - \{5 + 18 \div 2\}] \\
 &= 25 - [12 - \{5 + 9\}] \\
 &= 25 - [-27] \\
 &= 25 + 27 \\
 &= 52
 \end{aligned}$$

$$12. 15 - [16 - \{12 + 21 \div (9 - 2)\}]$$

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