

Evaluation question

$$1. 19 - (1+5) - 3 = \cancel{19} \quad 19 - (6) - 3 = 19 - 6 - 3 = 13 - 3 = 10$$

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

$$= 30 \times 6 \div 3$$

$$= 30 \times 2$$

$$= 60.$$

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

$$= 28 - 24 \div 6$$

$$= 28 - 4 = 24$$



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

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

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

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

$$= 34 - [29 - 33]$$

$$= 38$$

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

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

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

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

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

$$= 25 - (-2) = 25 + 2 = 27$$

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

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

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

$$= 60 - 1 = 59$$



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

$$= 15 - [16 - \{12 + 21 \div 7\}]$$

$$= 15 - [16 - \{12 + 3\}]$$

$$= 15 - [16 - 15]$$

$$= 15 - 1$$

$$= 14$$

Factors

The numbers that are multiplied to get a given number

Factors of 12:

(1, 2, 3, 4, 6, 12)

There will always be fewer factors, because there are a set of ways to multiply to get a given number

Multiples

The numbers you say when you skip-count by a given number.

And Multiples of 12

12, 24, 36, 48, 60, 72, 84, 96, 108, etc.

There will always be more multiples because numbers are infinite.

Homeworks

Exercise 9(A)

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

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

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



$$\begin{aligned} 5. & [18 - (15 \div 5) + 6] \\ & = [18 + \{ \cancel{6} \} 3] \\ & = \cancel{18} - 9 + \cancel{6} + 3 \quad [24 - 3] \\ & = 21 \end{aligned}$$

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

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

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