

Worksheet

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sec - B ch - 12 Date - 2/11/21
class - V Pg - 4 Sub - Maths



1. a. sums involving bar bracket

are to be solved first.

b. These () brackets are called

open bracket or common bracket.

c. In BODMAS "M" stands for

Multiplication.

d. we remove the square bracket

last while simplifying. ~~.....~~

e. while simplifying, subtraction

is the last operation to be

solved.

$$2 \text{ a. } 76 \div 4 + 8 - 3 \times 2$$

$$\text{Ans} = 76 \div 4 + 8 - 3 \times 2$$

$$= 19 + 8 - 3 \times 2$$

$$= 19 + 8 - 6$$

$$= 27 - 6$$

$$= 21 \text{ (Ans)}$$

$$b. 54 + 9 \times 6 - 4 + 3 + 8$$

$$\text{Ans } 54 + 9 \times 6 - 4 + 3 + 8$$

$$= 54 + 54 - 4 + 3 + 8$$

$$= 108 - 4 + 3 + 8$$

$$= 108 + 3 + 8 - 4$$

$$= 111 + 8 - 4$$

$$= 119 - 4$$

$$= 115$$

$$3. a. 12 - [20 \div \{8 - 2(4 - 5 - 2)\}]$$

$$\text{Ans } = 12 - [20 \div \{8 - 2(4 - 5 - 2)\}]$$

$$= 12 - [20 \div \{8 - 2(4 - 2)\}]$$

$$= 12 - [20 \div \{8 - 2 \times 2\}]$$

$$~~= 12 - [20 \div \{8 - 4\}]~~$$

$$= 12 - [20 \div \{8 - 4\}]$$

$$= 12 - [20 \div 4]$$

$$= 12 - 5$$

$$= 7$$

$$b \quad 25 - \frac{1}{2} \{5 + 2 - (3 + 2 - 1 + 3)\}$$

$$\text{Ans} = 25 - \frac{1}{2} \{5 + 2 - (3 + 2 - 1 + 3)\}$$

$$= 25 - \frac{1}{2} \{5 + 2 - (3 + 2 - 4)\}$$

$$= 25 - \frac{1}{2} \{5 + 2 - (5 - 4)\}$$

$$= 25 - \frac{1}{2} \{5 + 2 - 1\}$$

$$= 25 - \frac{1}{2} \{7 - 1\}$$

$$= 25 - \frac{1}{2} \times 6$$

$$= 25 - 3$$

$$= 22$$

$$c. \quad 0.4 \div [1.5 \div \{0.6 \div (0.3 - 0.3 - 0.1)\}]$$

$$\text{Ans} = 0.4 \div [1.5 \div \{0.6 \div (0.3 - 0.2)\}]$$

$$= 0.4 \div [1.5 \div \{0.6 \div 0.1\}]$$

$$= 0.4 \div [1.5 \div 6]$$

$$= 0.4 \div 4$$

$$= 10$$