

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

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

$$= 36 - 4 + 3 + 8$$

$$= 36 - 4 + 11$$

$$= 36 + 11 - 4$$

$$= 47 - 4$$

$$= 43 \text{ Ans.}$$

3. Simplify the following:->

a. $12 - [20 \div \{8 - 2(9 - 5 - 2)\}]$

$$= 12 - [20 \div \{8 - 2(9 - 7)\}]$$

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

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

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

$$= 12 - 5$$

$$= 7 \text{ Ans.}$$

CHAPTER-12

Simplification - (BODMAS Rule)

Worksheet

1. Fill in the blanks $\rightarrow$
 - a. Some involving Bar bracket are to be solved first.
 - b. These () brackets are called parentheses or common bracket.
 - c. In BODMAS "M" stands for Multiplication.
 - d. We remove the Square Square bracket last while simplifying.
 - e. While simplifying Subtraction is the last operation to be solved.

2. Simplify $\rightarrow$

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

$= 19 + 8 - 3 \times 2$

$= 19 + 8 - 6$

$= 27 - 6$

$= \del{27} 21$

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

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

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

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

$$= 25 - \frac{1}{2} \{ 9 - 1 \}$$

$$= 25 - \frac{1}{2} \times 8$$

$$= 25 - 4 = 21$$

Q Q

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

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

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

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

$$= 0.4 \div [0.25]$$

$$= 1.6 \text{ Ans}$$