Ch-02

Simplification - BODMAS Rule

WORKSHEET

a. Sums involving bar bracket have to be solved first.

b. These () brackets are called Parenthesis 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 while simplifying.

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

$= 19 + 8 - 3 \times 2$

$= 19 + 8 - 6$

$= 27 - 6$

$= 21$

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

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

$= 36 - 4 + 3 + 8$

$= 36 - 15$

$= 21$

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

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

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

$= 12 - [20 \div 4]$

$= 12 - 5$

$= 7$

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

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

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

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

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

$= 25 - \frac{1}{2} \times \frac{8^{4}}{1}$

$= 25 - 4$

$= 21$

4. $0.4 \div [1.5 \div \{0.1 \div (0.3 - 0.3 - 2$

$= 0.4 \div [15 \div \{0.6 \div (0.3 \div 0.2)\}]$

$= 0.4 \div [15 \div \{0.6 \div 0.2\}]$

$= 0.4 \div [15 \div 6]$

$= 0.4 \div 0.25$

$= 1.6$