23.12.21

Worksheet

Chapter -12 Bodmas

Date
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1. Fill in the blanks:

a) Sum 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 common bracket last while simplifying.

e) While simplifying, subtraction is the operation to be solved.

2. Simplify:

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

Ans: $19+8-3\times2$
$=19\times2+8-3$
$=38+8-3$
$=46-3$
$=43$

8. $54\div9\times6-4+3+8$

Ans $=6\times6+3+8-4$
$=36+11-4$
$=47-4=43$

3. $12-[20\div\{8-2(9-5-2)\}]$

Ans $=12-[20\div\{8-2(2)\}]$
$=12-[20\div\{8-2\times2\}]$
$=12-[20\div\{8-4\}]$
$=12-[20\div4]$
$=12-5=7$

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

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

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

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

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

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

$= 25 - \frac{4}{1} = 25$

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

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

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

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

$= 0.4 \div 0.25$

$= \frac{0.4 \times 100}{0.25 \times 100} = \frac{40}{25} = \frac{8}{5} = \frac{8 \times 2}{5 \times 2} = \frac{16}{10} = 1.6$