

class V
sub-math

Ex-10 (C)

Alanta
Page No. _____
Date _____

Ex- Simplify $4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \{3 \cdot 2 - 1 \cdot 2 \div (9 \cdot 6 - 5 \cdot 5 + 1 \cdot 7)\}]$

Solve $\rightarrow 4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \{3 \cdot 2 - 1 \cdot 2 \div (9 \cdot 6 - 5 \cdot 5 + 1 \cdot 7)\}]$

$\Rightarrow 4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \{3 \cdot 2 - 1 \cdot 2 \div (9 \cdot 6 - 7 \cdot 2)\}]$

$\Rightarrow 4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \{3 \cdot 2 - 1 \cdot 2 \div 2 \cdot 4\}]$

$\Rightarrow 4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \{3 \cdot 2 - 0 \cdot 5\}]$

$\Rightarrow 4 \cdot 6 \times [2 \cdot 4 + 7 \cdot 5 \times 2 \cdot 7]$

$\Rightarrow 4 \cdot 6 \times [2 \cdot 4 + 20 \cdot 25]$

$\Rightarrow 4 \cdot 6 \times 22 \cdot 65$

$\Rightarrow 104 \cdot 19$ Ans

Solve

Page No. _____
Date _____

$$(a) 64 \div (16 + 8 \times 2)$$

$$(b) 32 \div (52 - 18 \times 2)$$

$$(c) 70 \times (40 \div 20 + 5 \times 4)$$

$$(d) 100 + (42 \times 6 + 7 \times 11)$$

$$(e) \frac{2}{3} \times \frac{1}{6} \div \left(\frac{1}{2} \div 2 \frac{3}{5} \right)$$

$$(f) 54 \div (2 \cdot 5 \times 2 \cdot 5 + 3 \cdot 5)$$

$$(g) 60 + 5 (15 + 10 \times 22 + 34)$$

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class-V
sub.-maths

Ex. 10(c)

Ajanta
Page No. _____
Date _____

(8)

BODMAS RULE

This rule defines the correct sequence to be followed while solving a mathematical ~~oper~~ expression:—

BODMAS

B denotes Bracket

O denotes of

D denotes Division

M denotes Multiplication

A denotes Addition

S denotes Subtraction

This rule is good for all

numerical expressions involving whole number, fraction and decimal.

Date _____

$$\Rightarrow \frac{13}{3} + \frac{71}{6} \div 5 \quad [\text{Division}]$$

$$\Rightarrow \frac{13}{3} + \frac{71}{6} \times \frac{1}{5} \quad [\text{multiplication}]$$

$$\Rightarrow \frac{13}{3} + \frac{71}{30} \quad [\text{Addition}]$$

$$2 \quad \frac{130 + 71}{30} = \frac{201}{30} = 6 \frac{7}{10}$$

Q.2

There are four types of Bracket:-

1. Square Bracket : []

2. Curly Bracket : { }

3. Common Bracket / Parentheses : ()

4. Bar or line Bracket : —

So order of Bracket is:-

1. Bar (2) () (3) { } (4) []

Write and remember

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