

Sl. No.	Topic	Page No.	Date	Grade/ Marks
24.	Ch-9. Playing with Numbers 09 (A)	119-122	29.06.21	

CW
29.6.2021

Playing With Number

- Brackets -
- 1) --- \rightarrow Bar brackets, Vinculum
 - 2) $()$ \rightarrow Small bracket, Round Bracket, Parenthesis
 - 3) $\{ \}$ \rightarrow Curly bracket
 - 4) $[]$ \rightarrow Square bracket

B O D M A S \rightarrow

B - Bracket

O - of

D - Division

M - Multiplication

A - Addition

S - Subtraction

Ex - 9. (A)

1. $19 - (1 - 5) - 3$

$= 19 - (6) - 3$

$= 19 - 6 - 3$

$= 13 - 3$

$= 10$

2.

$30 \times 6 \div (5 - 2)$

$= 30 \times 6 \div (3)$

$= 30 \times 6 \div 3$

$= 180 \div 3$

$= 60$

$$8. 28 \div (3 \times 8) \div 6$$

$$= 28 \div 24 \div 6$$

$$= 28 \div 4 = 7$$

$$9. 34 - [29 - \{30 + 66 \div (24 - 28 - 26)\}]$$

$$= 34 - [29 - \{30 + 66 \div (24 - 2)\}]$$

$$= 34 - [29 - \{30 + 66 \div 22\}]$$

$$= 34 - [29 - \{30 + 3\}]$$

$$= 34 - [29 - 33]$$

$$= 34 - [-4]$$

$$= 34 + 4$$

$$= 38$$

$$10. 60 - \{16 \div (4 \times 6 - 8)\}$$

$$= 60 - \{16 \div (24 - 8)\}$$

$$= 60 - \{16 \div 16\}$$

$$= 60 - \{1\}$$

$$= 60 - 1$$

$$= 59$$

$$11. 25 - [12 - \{5 + 18 \div (4 - 5 - 3)\}]$$

$$= 25 - [12 - \{5 + 18 \div (4 - 2)\}]$$

$$= 25 - [12 - \{5 + 18 \div 2\}]$$

$$= 25 - [12 - \{5 + 9\}]$$

$$= 25 - [12 - 14]$$

$$= 25 - [-2]$$

$$= 25 + 2$$

$$= 27$$

Factors - The numbers that are multiplied to get a given number. Factors of 12 - (1, 2, 3, 4, 6, 12)

There will always be fewer factors, because there are a set number of ways to multiply to get a given number.

Multiples - The numbers you say when you skip-count by a given no. Multiples of 12 - 12, 24, 36, 48, 60, 72 etc. There will always be more multiples because no. are infinite.

Ex - 9(A) HW - 29.06.2021

4. $9 - [(4 - 3) + 2 \times 5]$

= $9 - [1 + 2 \times 5]$

= $9 - [1 + 10]$

= $9 - 11$

= -2

5. $[18 - (15 \div 5) + 6]$

= $[18 - 3 + 6]$ = $[18 - 3 + 6]$

= $[18 - 9]$ = $18 + 6 - 3$

= 9 = $24 - 3$

= 21

6. $[(4 \times 2) - (4 \div 2)] + 8$

= $[(4 \times 2) - 2] + 8$

= $[8 - 2] + 8$

$$= 6 + 8$$

$$= 14$$

$$7. 48 + 96 \div 24 - 6 \times 18$$

$$= 48 + 4 - 6 \times 18$$

$$= 48 + 4 - 108$$

$$= 52 - 108$$

$$= -56$$

$$8. 22 - [3 - \{8 - (4 + 6)\}]$$

$$= 22 - [3 - \{8 - 10\}]$$

$$= 22 - [3 - \{-2\}]$$

$$= 22 - [3 + 2]$$

$$= 22 - 5$$

$$= 17$$

$$12. 5 - [16 - \{12 + 21 \div (9 - 2)\}]$$

$$= 5 - [16 - \{12 + 21 \div 7\}]$$

$$= 5 - [16 - \{12 + 3\}]$$

$$= 5 - [16 - 15]$$

$$= 5 - 1$$

$$= 4$$