

VBODMAS – WORKSHEET – A

1. In the given question if + means -, × means /, - means + and / means × then find out the answer of the following question.

$$45 + 65 + 35 + 65 - 10$$

- a) -110 b) -118 c) -117 d) -109

2. If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-', then answer the following questions based on this information.

$$6 + 7 \times 3 - 8 \div 20 = ?$$

- a) -3 b) 7 c) 2 d) 1

3. If '+' means subtraction, '÷' means addition, '-' means multiplication and 'x' means division, then which of the following equation is correct?

- a) $8 \div 44 - 5 + 25 = 203$ b) $9 \div 64 - 2 \times 6 = 54$
 c) $56 + 12 \times 34 - 12 = 102$ d) $112 \times 44 - 12 + 10 = 46$

4. A = '+', B = '-', C = 'x' and D = '÷', then which of the following equations is correct?

- a) $8 B 6 D A 4 C 3 = 15$ b) $9 C 9 B 9 D A 9 = 17$
 c) $3 A 3 B 3 C 3 A 3 D 3 = 41$ d) $8 A 8 B 8 C 8 = - 48$

5. If '+' means '÷', '-' means 'x', 'x' means '+', '÷' means '-', given the value of :-

$$45 + 9 - 3 \times 15 \div 2.$$

- a) 40 b) 36 c) 56 d) 28

6. If A stands for +, B stands for -, C stands for x, then what is the value of (10 C 4) A (4 C 4) B 6 ?

- a) 46 b) 50 c) 55 d) 60

7. If 'when' means 'x', 'you' means '÷', 'come' means '-' and 'will' means '+', then what will be the value of "8 when 12 will 16 you 2 come 10"?

- a) 70 b) 80 c) 94 d) 97

8. If '+' means subtraction, '÷' means addition, '<' means multiplication and '>' means division, then find the value of the given statement, The value of $9 \div 7 < 8 > (4 > 2) + 5$ will be

- a) 32 b) 18 c) 16 d) 11

9. If P means 'division; T means 'addition; M means 'subtraction' and D means 'multiplication', then what will be the value of the expression $12 M 12 D 28 P 7 T 15$?

- a) - 30 b) - 15 c) 15 d) - 21

10. If '+' means 'divided by', '-' means 'added to', 'x' means 'subtracted from' and '÷' means 'multiplied by', then what is the value of $15 \div 12 - 36 + 3$?

- a) 180 b) 195 c) 192 d) 200

Answer key

1. (A) -110

$$= 45 - 65 - 35 - 65 + 10$$

$$= -110.$$

2. (C) 2

$$= 6 \times 7 \div 3 + 8 - 20$$

$$= 14 + 8 - 20 = 2$$

3. (A)

$$8 \div 44 - 5 + 25 = 203$$

From the question by changing the symbols, we get

$$\Rightarrow 8 + 44 \times 5 - 25 = 203 \text{ (using VBODMAS rule)}$$

$$\Rightarrow 8 + 220 - 25 = 203$$

$$\Rightarrow 228 - 25 = 203$$

$$\Rightarrow 203 = 203$$

$$\Rightarrow \text{LHS} = \text{RHS.}$$

So option (A) is correct.

4.(D)

$$8 \text{ A } 8 \text{ B } 8 \text{ C } 8 = -48$$

From the question by changing the symbols, we get

$$\Rightarrow 8 + 8 - 8 \times 8 = -48$$

$$\Rightarrow 8 + 8 - 64 = -48 \text{ (using VBODMAS rule)}$$

$$\Rightarrow 16 - 64 = -48$$

$$\Rightarrow -48 = -48.$$

Therefore LHS = RHS.

So option (D) is correct.

5. (D)

Conversion according to question.

$$= 45 \div 9 \times 3 + 15 - 2.$$

$$= 5 \times 3 + 15 - 2.$$

$$= 15 + 15 - 2 = 28.$$

6. (B) 50

Using the correct symbols, we have :

$$\text{Given expression} = (10 \times 4) + (4 \times 4) - 6$$

$$= 40 + 16 - 6$$

$$= 56 - 6$$

$$= 50.$$

7. (C) 94

Using the correct symbols, we have :

$$\text{Given expression} = 8 \times 12 + 16 \div 2 - 10$$

$$= 96 + 8 - 10$$

$$= 104 - 10$$

$$= 94.$$

8. (A) 32

$$= 9 \div 7 < 8 > (4 > 2) + 5$$

$$= 9 + 7 \times 8 \div (4 \div 2) - 5$$

$$= 9 + 7 \times 8 \div 2 - 5$$

$$= 9 + 7 \times 4 - 5$$

$$= 9 + 28 - 5$$

$$= 37 - 5$$

$$= 32$$

9. (D) - 21

$$= 12 M 12 D 28 P 7 T 15$$

$$= 12 - 12 \times 28 \div 7 + 15$$

$$= 12 - 12 \times 4 + 15$$

$$= 12 - 48 + 15$$

$$= 27 - 48$$

$$= - 21$$

10. (C) 192

$$= 15 \div 12 - 36 + 3$$

$$= 15 \times 12 + 36 \div 3$$

$$= 15 \times 12 + 12$$

= 180 + 12

= 192

The Winning Edge