VBODMAS – WORKSHEET – E

1. If '-' denotes addition, '+' denotes subtraction, '×' denotes division and ÷ denotes multiplication, then 7 -10 × 5 ÷ 6 + 4 =?

a) 3 b) 12 c) 15 d) 9

2. If '+' means 'minus', '-', means 'multiply', '÷' means 'plus' and '×' means 'divide', then 10 × 5 ÷ 3 - 2 + 3 = ?

a) 5 b) 53/3 c) 21 d) 36

3. A means '+', B means '-' C means '×' and D means ÷, then 18 C 14 A 6 B 16 D 4 =?

a) 254 b) 238 c) 188 d) 258

4. If A means '×' B means '÷' C means '-' and D means '+', then 4 D 16 A 5 B 8 C 5 = ?

a) 9 b) 16 c) 13 d) 75

5. If A means '-', B means '÷', C means '+' and D means '×', then 15 B 3 C 24 A 12 D 2 = ?

a) 3b) 5c) 7d) 9

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

a) 8 ÷ 44 – 5 + 25 = 203 b) 9 ÷ 64 - 2 × 6 = 54

c) 56 + 12 × 34 – 12 = 102 d) 112 × 44 – 12 + 10 = 46

7. If A = '+', B = '-', C = '×' 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

8. If > denotes +, < denotes -, + denotes ÷, ^ denotes ×, - denotes =, × denotes > and = denotes <, choose the correct statement of the following.

a) 28 + 4 ^ 2 = 6 ^ 4 + 2 b) 13 > 7 < 6 + 2 = 3 ^ 4

c) 9 > 5 > 4 – 18 + 9 > 16 d) 9 < 3 < 2 > 1 × 8 ^ 2

9. If 'T' means (×), 'U' means (-), 'X' means (÷) and W means (+), then what will be the value of the following expression. (50 X 2) W (28 T 4)

a) 142 b) 158 c) 137 d) 163

10. If '÷' means addition and '×' means subtraction, then (15 × 9) ÷ (12 × 4) × (4 ÷ 4) is equal to

a) 96 b) 6 c) 3/128 d) 143/8

ANSWER KEY

1.(c)

According to the question,

? = 7 - 10 × 5 ÷ 6 + 4

from the question by changing the symbols, we get

= 7 + 10 ÷ 5 × 6 - 4 (using VBODMAS rule)

=7 + 2 × 6 - 4

= (7 + 12) - 4

= 15

2.(a)

According to the question,

? = 10 × 5 ÷ 3 -2 + 3

from the question by changing the symbols, we get

= 10 ÷ 5 + 3 × 2 - 3 (using VBODMAS rule)

= 2 + 3 × 2 - 3

= 2 + 6 - 3

= 8 - 3 = 5

3.(a)

According to the question,

? = 18 C 14 A 6 B 16 D 4

from the question by changing the symbols, we get

= 18 × 14 + 6 - 16 ÷ 4 (using VBODMAS rule)

= 18 × 14 + 6 - 4

= 252 + 6 - 4

= 258 - 4 = 254

4.(a)

According to the question,

? = 4 D 16 A 5 B 8 C 5

from the question by changing the symbols, we get

= 4 + 16 × 5 ÷ 8 - 5 (using VBODMAS rule)

= 4 + 16 × 0.625 - 5

= 4 + 10 - 5

= 14 - 5 = 9

5.(b)

According to the question,

? = 15 B 3 C 24 A 12 D 2

from the question by changing the symbols, we get

= 15 ÷ 3 +24 - 12 × 2 (using VBODMAS rule)

= 5 + 24 -12 × 2

= 5+ 24 - 24 = 5

6.(a)

8 ÷ 44 - 5 + 25 = 203

from the question by changing the symbols, we get

⇒ 8 + 44 × 5 - 25 = 203 (using VBODMAS rule)

⇒ 8 + 220 - 25 = 203

⇒ 228 - 25 = 203

⇒ 203 = 203

⇒ LHS = RHS.

7.(d)

From option (d),

8 A 8 B 8 C 8 = - 48

from the question by changing the symbols, we get

⇒ 8 + 8 - 8 × 8 = - 48

⇒ 8 + 8 - 64 = - 48 (using VBODMAS rule)

⇒ 16 - 64 = - 48

⇒ - 48 = - 48.

Therefore LHS = RHS.

8.(c)

From option (c),

9 > 5 > 4 - 18 + 9 > 16

By interchanging the signs,

9 + 5 + 4 = 18 ÷ 9 + 16 (using VBODMAS rule)

⇒ 18 = 18

9.(c)

Given expression, (50 × 2) W (28 T 4)

After interchanging the letters with symbols, we get

(50 ÷ 2) + (28 × 4) = 25 + 112 (using VBODMAS rule)

= 137

10.(b)

According to the question,

Required answer = (15 × 9) ÷ (12 × 4) × (4 ÷ 4)

from the question by changing the symbols, we get

= (15 - 9) + (12 - 4) - (4 + 4) (using VBODMAS rule)

= 6 + 8 - 8

= 6