VBODMAS – WORKSHEET – C

Q1. If '+' stands for 'multiplication', '<' stands for 'division', '÷' stands for 'subtraction', '–' stand for 'addition' and '×' stands for 'greater' than. Identify which expression is correct?

a) 20 – 40 + 4 + 8 < 2 × 26 b) 20 × 8 + 15 < 5 ÷ 9 - 8

c) 20 < 2 + 10 ÷ 4 – 6 × 100 d) 20 < 5 + 25 ÷ 10 – 2 × 96

Q2. If – means x, x means +, + means ÷, and + means - , then 40x 12 + 3- 6 + 60 = ?

a) 7.95 b) 16 c) 44 d) None of these

Q3. 17. If x stands for 'addition', + stands for 'subtraction', + stands for 'multiplication' and – stands for 'division', then 20 x 8 + 8 – 4 + 2 – ?

a) 80 b) 25 c) 24 d) 5

Q4. If x stands for +, + stands for -, and – stands for x, which one of the following equations is correct?

a) 15 – 5 + 6 x 20 + 10 = 6 b) 8 + 10 – 3 + 5 x 6 = - 21

c) 6 x 2 + 3 + 12 – 3 = 15 d) 3 + 7 – 5 x 1 0 + 3 = 10

Q5. 12. If P denotes '+', Q denotes '–', R denotes '×' and S denotes '÷', then which of the following statement is correct ?

a)16 R 12 P 49 S 7 Q 9 = 200 b) 32 S 8 R 9 = 160 Q 12 R 12

c) 8 R 8 P 8 S 8 Q 8 = 57 d) 36 R 4 S 8 Q 7 P 4 = 10

Q6. If '-' denotes addition, '+' denotes subtraction, '×' denotes division and ÷ denotes multiplication, then 7 -10 × 5 ÷ 6 + 4 =?

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

Q7. If '+' means 'minus', '-', means 'multiply', '÷' means 'plus' and '×' means 'divide', then 10 × 5 ÷ 3 – 2 + 3 = ?

a) 5 b) 12 c) 21 d) 36

Q8. 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) 512 b) 128 c) 211 d) 137

Q9. If '×' means subtraction, '+' means multiplication and '-' means addition, then find the value of following equation. 12 + (3 × 1) + 4 – 1 = ?

a) 98 b) 85 c) 97 d) 75

Q10. If A = '+', B = '-', C = '×' and D = '÷', then 5 C 5 D 5 A 5 B 5 = ?

a) 0 b) 15 c) 5 d) 10

ANSWER KEY

1. C

20 ÷ 2 × 10 – 4 + 6 > 100

10 × 10 – 4 + 6 > 100

100 – 4 + 6 > 100

102 > 100

2. D

40 + 12 ÷ 4 × 6 – 60

40 + 3 × 18 – 60

40 + 54 – 60

94 – 60

34

3. C

20 + 8 – 8 ÷ 4 – 2

20 + 8 – 2 – 2

28 – 2 – 2

24

4. B

8 - 10 × 3 - 5 + 6

8 - 30 - 5 + 6

14 – 30 – 5

14 – 35 = -21

5. C

8 × 8 + 8 ÷ 8 – 8

8 × 8 + 1 – 8

64 + 1 – 8

65 – 8

57

6.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

7.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

8.D

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

9.C

According to the question,

? = 12 + (3 × 1) + 4 – 1

From the question by changing the symbols, we get

= 12 × (3 – 1) × 4 + 1 (using VBODMAS rule)

= 12 × 2 × 4 + 1

= 96 + 1 = 97

10.C

According to the question,

? = 5 C 5 D 5 A 5 B 5

From the question by changing the symbols, we get

$= 5 \times 5 \div 5 + 5 - 5$ (using VBODMAS rule)

$= 5 \times 1 + 5 - 5$

$= 10 - 5 = 5$