Mathematical Operations

1. Which of the following interchange of signs would make the given equation correct?

    $2 \times 3 + 6 - 12 \div 4 = 17$

    1) x and +   2) + and -   3) + and ÷   4) – and ÷

2. 'B' stands for addition, 'G' stands for subtraction, 'E' stands for multiplication, 'C' stands for division, 'D' stands for equal to, 'A' stands for greater than, 'F' stands for less than. In each of the four alternatives, only one expression is correct according to the letter symbol. Identify that expression.

    1) 1 5 C 3 B 2 A 6 E 2   2) 1 5 B 2 G 5 A 4 G 4   3) 1 5 C 3 B 2 D 6 B 2

    4) 1 5 B 3 D 4 E 6

3. Identify the symbols to the inserted to make the expression correct.

    24 Δ 4 Δ 5 Δ 4

    1) x + x   2) = x +   3) x + =   4) + = x

4. If x stands for addition, < stands for subtraction, + stands for division, > stands for multiplication, - stands for equality, ÷ stands for greater than, and = stands for less than, state which of the following is true?

    1) 5 > 8 + 4 = 10 < 4 x 8   2) 3 x 4 > 2 – 9 + 3 < 3

    3) 5 x 3 < 3 ÷ 8 + 4 x 2   4) 3 x 4 < 4 ÷ 16 > 2 + 4

5. Find the correct group of signs to solve the equation.

    24 * 16 * 8 * 32

    1) + - =   2) ÷ - =   3) - + =   4) x ÷ =

6. Which of the following interchanges of numbers would make the given equation correct?

    $8 \times 20 \div 3 + 9 - 5 = 38$

    1) 3, 9   2) 3, 8   3) 8, 9   4) 3, 5

7. Put the correct mathematical signs in the following equation from the given alternatives?

    33 _ 11 _ 8 _ 6 = 144

1) - x +   2) + - x   3) x ÷ -   4) ÷ x x

8. If '+' stands for 'x', '-' for '÷' ,'x' for '-' and '÷' for '+', find the value of 12+90-5x9÷3

   1) 210   2) 216   3) 215   4) 120

9. If '+' means '÷','÷' means'-','-' means 'x' and 'x' means'+', then 24+3÷5-3x15=?

   1) 15   2) 11   3) 7   4) 8

10. If '÷' means 'x','x' means '+',+' means '-' and '-' means '÷',find the value of

    26 x 6+ 15 – 2 ÷ 4

   1) 5   2) 6   3) 2   4) 9

11. If Q means 'add to', J means 'multiply by', T means 'subtract from ' and k means 'divide by' then

    30 k 2 Q 3 J 6 T 5=?

   1) 18   2) 28   3) 31   4) 103

12. If $ means '+', # means '-', @ means 'x' and *means '÷', then what is the value of

    16$ 4@5# 72*8?

   1) 25   2) 27   3) 29   4) 36

13. If P means 'x', R means '+',T means '÷' And S means '-' then 18T 3 P 9 S8R6=?

   1) 52   2) 2/3   3) 46   4) 58

14. If P denotes 'Multiplied by,' T denotes 'subtracted from', M denotes 'added to' and B denotes' divided by', then 28 B 7P8T6M4=?

   1) - 3/2   2) 30   3) 32   4) 34

15. 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'?

   1) 45   2) 94   3) 96   4) 112

16. If being given that :> denotes +,< denotes -,+ denotes ÷,- denotes =, = denotes 'less than' and x denotes ' greater then', find which of the following is a correct statement?

   1) 7+2>4=9+3<2   2) 3>2>4=18+3<1   3) 3>2<4x8+4<2

   4) 3+2<4x9+3<3

17.If 4*2@3=6,18*6@4=12, then what will be the value of 24*3@7=?

    1) 27   2) 56   3) 72   4) 21

Directions (18 - 20): in the following questions, the equations have become wrong because of the wrong order of signs. Choose the correct order of signs from the four options given below, so as to make the equations right.

18.17-3x6=45

    1) x,=,-   2) x,-,=   3) -,x,=   4) =,-,x

19.40-45x5=1

    1) -,x,=   2) -,x,=   3) =,-,<   4) x,-,=

20.10÷2=6-14

    1) =,x,-   2) -,x,=   3) =,-,<   4) x,-,=

Answers

1 – 1	2 - 2	3 - 2	4 - 1	5 - 1	6 - 4	7 - 4	8 - 1	9 - 4	10 - 3
11 - 2	12 - 2	13 - 1	14 - 2	15 - 2	16 - 3	17 - 2	18 - 2	19 - 4	20 - 4