1) If 'x' means subtraction; '-' means division, '□' means addition and '%' means multiplication, then find the value of

13 □ 3 x 6 % 8 - 4 □ 14 = ?

a) 18
b) 14
c) 12
d) 8

2) If the mathematical signs interchange from - to +, + to ÷, x to - and ÷ to x, then find out the correct answer of the given equation

6 ÷ 8 + 2 x 5 - 8 = ?

a) 27
b) 18
c) 32
d) 28

3) If P denotes '÷', Q denotes 'X', R denotes '+' and S denotes '-', then

18 Q 12 P 4 R 5 S 6 = ?

a) 95
b) 53
c) 51
d) 57

4) In a certain code language, '÷' represents '+', '-' represents 'x', '+' represents '÷' and 'x' represents '-'. Find out the answer to the given question 8 - 14 + 7 x 10 ÷ 9 = ?

a) 15
b) 28
c) 20
d) 13

5) In a certain code language, 'x' represents '+', '÷' represents 'x', '-' represents '÷' and '+' represents '-'. Find out the answer to the given question 25 ÷ 2 - 10 + 10 x 6 = ?

a) 1
b) 21
c) 19
d) 20

6) If 'a' represents ÷, 'b' represents +, 'c' represents -, and 'd' represents x, then

24 a 6 d 4 b 9 c 8 = ?

a) 20
b) 19
c) 6
d) 17

7) If '+' stands for division; 'x' stands for addition, '-' stands for multiplication, '÷' stands for subtraction, which of the following equation is correct?

a) $36 + 6 - 3 \times 5 \div 3 = 24$
b) $36 \times 6 + 7 \div 2 - 6 = 20$
c) $36 \div 6 + 3 \times 5 - 3 = 40$
d) $36 - 6 + 3 \times 5 \div 3 = 74$

8) If +, -, x, ÷, =, > and < are represented as δ, •, γ, η, ω, β and α respectively, then which of the following is correct?

a) 3 γ 6 η 2 δ 8 • 4 ω 5
b) 3 η 6 γ 2 δ 8 • 4 β 5
c) 3 γ 6 • 2 δ 8 η 4 α 5
d) 3 δ 6 • 2 γ 8 η 4 ω 5

9) Select the correct combination of mathematical signs to replace '★' signs and to balance the following equation. 6 ★ 4 ★ 12 ★ 12

a) ÷, -, =
b) +, -, ÷
c) =, -, ÷
d) x, - , =

10) Select the correct combination of mathematical signs to replace '★' signs and to balance the given equation. 24 ★ 34 ★ 2 ★ 5 ★ 12

a) + ÷ x =
b) = ÷ + -
c) = ÷ - +
d) + ÷ = x

ANSWERS:

1 – A

2 – A
3 – B
4 – A
5 – A
6 – D
7 – D
8 – D
9 – D
10 – C