1. One-fourth of a number x added to the number itself can be expressed as: -
   a. $X + \frac{1}{4}$
   b. $X + \frac{1}{4}x$
   c. $\frac{1}{4}x - x$
   d. $X - 4$

2. 7 less than a number equal to 8. What is the number?
   a. 12
   b. 13
   c. 14
   d. 15

3. 5 subtracted from 6 times a number can be expressed as _____. (taking number as n)
   a. 6n – 5
   b. 7n – 1
   c. 8n – 2
   d. 5n – 4

4. 6 added to 14 times a number can be expressed as _____. (Taking number as y)
   a. 14y + 6
   b. 15y + 7
   c. 14y + 8
   d. 15y + 6

5. 7 times a number x multiplied with number y can be written as _____.
   a. 7(x + y)
   b. 7xy
   c. 7x + y
   d. Y – 7x

6. Six times of a negative number can be expressed as ____
   a. 7x
   b. - 6x

c. $-8x$

d. $7x$

7. Five times of the difference between two numbers can be expressed as –

   a. $6(x – y)$

   b. $7(x – y)$

   c. $5(x – y)$

   d. $8(x – y)$

8. Six less than a number is equal to 5 less than another number. Express it in the form of an equation?

   a. $x – y = – 6$

   b. $x – y = 1$

   c. $x – y = – 8$

   d. $x – y = – 10$

9. Twice the sum of number y and 14 can be written as _____.

   a. $2 (y – 14)$

   b. $2 (y + 14)$

   c. $2 (y – 14)$

   d. $2 (14y)$

10. One-fourth of number x added to one-third of number y can be expressed as ____.

    a. $\frac{1}{4}x + \frac{1}{3}y$

    b. $\frac{1}{4}x - \frac{1}{3}y$

    c. $-\frac{1}{4}x - \frac{1}{3}y$

    d. $-(\frac{1}{4}x - \frac{1}{3}y)$

11. If the side of a regular hexagon is x, then find its perimeter?

12. Write algebraic expression for "9 times the number x is less than the sum of 6 and variable y"?

13. Find the sum of 2(x + 9) and 3(y + 11), if x = 5 and y = 4 respectively?

14. Find the difference between 8(x + 2) and 5(y + 2), if x = 6 and y = 3 respectively?

15. If x = 9, then find the value of the following:

    a. 4x + 10
    b. 8x
    c. 2x – 5
    d. 3(x – 2)

16. If x = 8 and y = 5, then find the value of the following:

    a. X + y + 4
    b. X + y – 2
    c. X – y + 4
    d. X – y – 7

17. What will be the product of 5xy and 7yz if values of x = 2, y = 3, z = 5 respectively?

18. If $\frac{6}{8}$ x = 48, then find the value of x?

19. Check whether 15x – 10 = 16x – 12 is correct for which value of x?

20. Find the value of 6(xy + yz + zx) if x = 5, y = 4 and z = 3 respectively?