SACRED HEART CMI PUBLIC SCHOOL

STD: VI   MATHEMATICS   WORKSHEET

TOPIC: ALGEBRA

ONE MARK QUESTIONS

Fill in the blanks

1. In algebra, we use _____ to represent variables.
2. If Jaggu's present age is x years , then his age 7 years from now is _____.
3. If one pen costs Rs. x, then the cost of 9 pens is _____.
4. An equation is a statement that the two expressions are _____.
5. Trial and error is one of the methods to obtain _____ of an equation.
6. 7 less than thrice a number y is _____.
7. If $3x + 4$ is 19 , then the value of x is _____.
8. The number of pencils bought for Rs. x at the rate of Rs. 2 per pencil is _____.
9. One third of a number x added to itself gives 8 can be expressed as _____.
10. ' x exceeds y by 7' can be expressed as _____.

CHOOSE THE CORRECT OPTION IN EACH OF THE FOLLOWING

11. I think of a number y, add 5 to it. The result then multiplied by 2 and the final result is 24. The correct algebraic statement is
    a) y+5 x2 =24   b) (x+5) x 2 = 24   c) 2 x y + 5 =24   d) y+5= 2x24
12. Which of the following is an equation?
    a) x+ 5   b) 7x   c) 2y + 3 = 11   d) 2p> 7
13. The solution of the equation 3x-2 = 10 is
    a) x=1   b) x=2   c) x= 3   d) x= 4
14. If there are x chairs in a row , then the number of persons that can be seated in 8 rows are
    a) 64   b) x+8   c) 8x   d) none of these
15. If Arshad earns Rs x and spends Rs y per day , then his savings for the month of March is
    a) Rs. (31x-y)   b) Rs. 31 (x-y)   c) Rs. 31(x+y)   d) Rs. 31 (y-x)

SACRED HEART CMI PUBLIC SCHOOL, THEVARA
STD: VI   MATHEMATICS   WORKSHEET
TOPIC : ALGEBRA

TWO MARKS QUESTIONS

1. Write an algebraic expression for the following
   a) The score of Ragini in Mathematics is 23 more than two – third of her score in English. If she scores x marks in English, what is her score in Mathematics?
   b) Lakshmi has a sum of Rs. x. She spend Rs. 800 on grocery, Rs. 600 on clothes and Rs. 500 on Education and received as Rs. 200 as gift. How much money in rupees is left with her?

2. Raju's father's age is 2 years more than 3 times Raju's age. If Raju's father's present age is y years, then what is his father's age?

3. The length of a rectangular hall is 4m less than 3 times the breadth of the hall. What is the length if the breadth is b metres?

4. Solve the following equations
   a) $n+12= 20$
   b) $r-4 =0$
   c) $8x = 72$
   d) $\frac{q}{2} = 7$

5. Saritha has 10 more marbles than Ameena has in her collection. How many marbles does Saritha have?