

Home Task for Class 8th  
Cadet College Kallar Kahar - 2020

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**English:-**

1. Write one page from your text book daily.
2. Write and memorize 100 forms of verb.
3. Write down "200" difficult words from your text book.
4. Write "50" degrees in three classification of an adjective.
5. Write and practice all English tenses and give five examples for each category in positive, negative and interrogative position.

**Mathematics:-**

1. What is proper set?
2. What is sub set?
3. What is improper set?
4. What is power set?
5. Define set of integer.
6. Set of whole number.
7. Set of even number.
8. Set of odd number.
9. Set of natural number.
10. Set of prime number.
11. Set of real number.
12. Set of rational number.
13. Set of irrational number.
14. Define rational number and give two examples.
15. Define irrational number and give two examples.
16. What is line?
17. Define line segment.
18. What is radius of a circle?
19. What is the area of square, triangle, rectangle, and circle?
20. What is perimeter of square, rectangle, circle, and triangle? Give three examples of all them.

**Q.NO. 1**

1. Write the definition of set.
2. Convert common fraction  $\frac{9}{4}$  to decimal
3. Convert the following rational number into decimal fractions and separate repeating and non-repeating decimals. (I)  $\frac{10}{3}$  (ii)  $\frac{22}{7}$  (iii)  $\frac{8}{9}$

Q.No. 2 A rectangular field has an area of 18432 square meters. Its width is half as long as its length. Find its perimeter.

Q. No. 3. 70 men can complete a wall of 150 meter length in 12 days. How many men will complete wall of length 600 meter in 30 days?

Q. No. 4. At what annual rate percent of markup would the principal amount Rs 68,000 becomes Rs. 86360 in 3 days?

- Q. No. 5. A person got loan from a bank at a rate of 3% per year for some period. In how much period his loan of Rs. 65,000 will become Rs. 68,500
- Q. No. 6. The market price of an article is Rs. 3000. Discount on this article is 20%. Find the sale price of the article.
- Q. No. 7. Solve the basic algebraic Formulas.  
 (i)  $(a + b)^2$  (ii)  $a^2 - b^2$  (iii)  $(a - b)^2$  (iv)  $(a + b)$  (v)  $(a - b)$  (vi)  $a - b$
- Q. No. 8. Factorize.  
 (i)  $77x^2y - 33xy^2 - 55x^2y^2$  (ii)  $17x^2y^2 - 51$  (iii)  $30x - 45xy$
- Q. No. 9. Find the value of  $x^2 - 1/x^2$ , when  $x - 1/x = 3$
- Q. No. 10. Using formula to evaluate the following  
 (i)  $11(a + b)^2 - 99c^2$  (ii)  $(x - 9/5)^2 - 36/25y^2$
- Q. No. 11. Find the solution with the method of equating the coefficient.  
 (i)  $9x + 8y = 1$  (ii)  $2y - 10x - 86 = 0$   
 $5x - y = 6$   $2x + 5y - 11 = 0$
- Q. No. 12. Fida bought 3 Kg melons and 4 Kg mangoes for Rs. 470. Anam bought 5 Kg melons and 6 Kg mangoes for Rs. 730. Calculate the price of melons and mangoes per Kg.
- Q. No. 13. The difference of two numbers is 4. The sum of twice of one number and 3 times of the other number is 43. Find the numbers.
- NOTE:- Table of 2 to 20.

اردو:

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