KENDRIYA VIDYALAYA, KARIMNAGAR
CLASS: VI

HOLIDAYS HOME WORK

MATH

1. Draw different geometrical shapes.
2. Write the following numbers 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 500, 1000 are in Roman numerals
3. Find HCF of (A) 24 and 36 (B) 12, 16 and 28 (C) 15, 25 and 30
4. Find LCM of (A) 2, 25, 30 (B) 15 and 5 (C) 12, 24 and 120
5. Make Greek mathematician Eratosthenes method to find prime numbers from 1 to 100
6. Find: (A) (-3) + (-15) (B) 25 – (-5) (C) 30 + (-60)
7. **Project work**: Collect the information about great mathematician Srinivas Ramanujan.

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CLASS: VII

HOLIDAYS HOME WORK

MATH

1. Find the product, using suitable properties:
   a) 630 × (-25) + 630 × (-25)  
   b) (-53) × (-19) + 53
2. Evaluate each of the following:
   a) \([(-36) ÷ 12] ÷ 3\)  
   b) \(-87 ÷ 1000\)
3. Write a negative integer and a positive integer whose sum is -3.
4. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer.
   (a) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score?
5. Sushant reads 1/3 part of a book in 1 hour. How much part of the book will he read in 11/5 hours?
6. Which is greater? 2/7 of 3/4 (or) 3/5 of 5/8

**Project work**: Write the brief history of 2 Indian mathematicians.
1. Find 5 rational numbers between -1 and 1.

2. Solve for X: \( x + 5 - 2(3x - 4) = 10 \)

3. Solve for m: \( 4(3m - 2) - 5(m + 5) = 8 \)

4. Neela is twice as old as Beena. Five years ago her age was three times beena age. Find their present ages.

5. The difference between two whole numbers is 66. The ratio of the two numbers is 2:5. What are two numbers.

6. Sum of two digits of two digit number is 9. When we interchange the digits, it is found that the resulting new number is greater the original number by 27. What is number?

7. Collect the discount percentages of different items from newspaper or shop.

8. Find the amount which RAM will get on Rs. 4096, if he gave it for 18 months at 12\(\frac{1}{2}\) % per annum, interest being compounded half yearly.

9. Collect the 5 different graphs from newspapers. (histogram and circular graphs)

10. Write about (properties of) some special Parallelograms with diagram.

**Project work:** WRITE AN ESSAY IN ABOUT 250 WORDS ABOUT ANY GREAT MATHEMATICIAN.