



NATIONAL EDUCATION SOCIETY FOR TRIBAL STUDENTS  
(An Autonomous Organization Under Ministry Of Tribal Affairs, Govt. Of India)



EKALAVYA MODEL RESIDENTIAL SCHOOL TAVAGA

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## CLASS 9TH SUMMER VACATION HOLIDAY HOMEWORK

### SUBJECT : MATHEMATICS

- Attempt the tasks neatly in your math notebook or as instructed.
- Submission: First day after the summer break.

1. Write and learn tables 2 to 20 ( write at least 5 times)
2. Write and learn squares 1 to 20. ( Write atleast 3 times).
3. Write and learn cubes upto 10 .( write atleast 3 times).
4. Write the following sets: -
  - a) Natural numbers upto 20
  - b) Whole number upto 10
  - c) Integers between -8 and 8.
  - d) Prime numbers upto 30
  - e) Composite numbers upto 20.
5. Fill in the blanks:-
  - a) The smallest natural numbers is \_\_\_\_\_.
  - b) The smallest whole number is \_\_\_\_\_.
  - c) The smallest prime number is \_\_\_\_\_.
  - d) The smallest composite number is \_\_\_\_\_.
6. Make a chart paper of number system including natural numbers, whole numbers, integer numbers, rational numbers, irrational numbers and real numbers on A4 sheet (number system tree).
7. Read the chapter -1 orienting yourself:The use of coordinates and write all important points and formulas of the chapter.
8. Give the answer of following after reading chapter 1.
  - a) Place Reiaan's rectangular study table with three of its feet at the points (8, 9), (11, 9) and (11, 7).



- (i) Where will the fourth foot of the table be?
  - (ii) Is this a good spot for the table?
  - (iii) What is the width of the table? The length? Can you make out the height of the table?
- b) Look at Reiaan's bathroom.
- (i) What are the coordinates of the four corners O, F, R, and P of the bathroom?
  - (ii) What is the shape of the showering area SHWR in Reiaan's bathroom? Write the coordinates of the four corners.
  - (iii) Mark off a  $3 \text{ ft} \times 2 \text{ ft}$  space for the washbasin and a  $2 \text{ ft} \times 3 \text{ ft}$  space for the toilet. Write the coordinates of the corners of these spaces.
9. Read the chapter 2 Introduction to linear polynomials and give the answer of following questions
- a) Degree of linear polynomial
  - b) Degree of quadratic polynomial
  - c) Degree of cubic polynomial
10. Read the chapter 2 Introduction to linear polynomials and write the chapter summary.
11. Make a colourfull chart of Algebraic identities.

SUBJECT TEACHER  
KAPILKANT SHARMA  
(TGT MATHS)

  
PRINCIPAL