

Summer Vacation Homework (2018-19)
Mathematics

Class VI

1. To verify that the addition is commutative for whole numbers by paper cutting, pasting and colouring work.
2. To verify that the multiplication is commutative for whole numbers by paper cutting, pasting and colouring work.
3. To find the prime numbers from 1 to 100 by sieve of Eratosthenis method.

Class VII

1. To verify addition and multiplication is commutative for integers by paper cutting, pasting and colouring method.
2. To verify multiplication of fractions by whole numbers may or may not be a whole number by activity method.
3. To make ten different meaningful shapes with help of dots and line segments.

Class VIII

1. To verify addition and multiplication is commutative for rational numbers by activity work.
2. Take a piece of paper and fold it 8 times. After opening it, observe the pattern and name them. Paste the folded sheet in such a way all patterns are visible.
3. Draw different types of quadrilateral and write their properties.

Class IX

Activity 1 - To construct a square-root spiral.

Activity 2 - To verify that the sum of angles of a triangle is 180° .

* Solve 20-20 questions from chapter-1 and chapter-2.

Class X

1. Solve the problems given in taught exercises from NCERT Book.
2. To verify trigonometric identities.
3. To obtain the condition for consistency of a system of a linear equation in two variables by graphical method.

class XI

Solve all the problems given in NCERT Maths book of XIst d. in a separate long exercise book of the following chapters -

- (1) Sets
- (2) Relations and Functions.
- (3) Trigonometry.

class XII

Solve all the problems given in NCERT Maths book of XIIst d. in a separate long exercise book of the following chapters -

- (1) Relations and Functions
- (2) Inverse Trigonometric Functions
- (3) Matrices
- (4) Determinants.

Maths Dept.

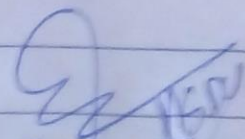
Mathematics → Mr. M. S. De
Date _____
Page _____
Summer Vacation Holidays Homework

Task 2: Given task should be completed in separate note books.
— v — v — v —

IX 'A' :- All the cadets should solve all the questions upto 4 chapters of NCERT Book.

X 'A' :- All the cadets should solve all the questions upto 4 chapters of NCERT Book.

XI 'B' :- All the cadets should solve all the questions of every chapter of NCERT Part - 1 Book.


Signature of subject Teacher