Class : Grade 7

Teacher: Mrs. Maral avedissian

Date: 2015-2016

Objectives:

I) A) Addition and subtraction of integers

B) Multiplication and division of integers

- Decimal numbers

- Location on a graduated axis

- Opposite decimal numbers

- Comparison

- Addition, subtraction, multiplication and division of decimal numbers

- Order of operation

II) Location
- Abscissa of a point

- Location of a point in a plane

III) Powers
- Power of a positive number

- Properties

- Powers of 10

- To write a number as scientific notation

- Order of operation

IV) Prime numbers, GCD and LCM
- Prime numbers less than 100

- Practical methods of decomposition

- Finding the GCD and LCM of two natural numbers

V) Geometry
The essential to start
- Lines
- Angles
- Perpendicular bisector of a segment
- Circle
- Symmetry

VI) Triangles
- Know how to draw the remarkable lines in a triangle

- Study the properties of each triangle

- Learn to draw each triangle

VII) Congruent triangles
- Definition

- Proving the triangles congruent by i) a.s.a

ii) s.a.s

iii) s.s.s

VIII) Fractions
- Simplifying fractions

- Reducible and irreducible fractions

- Methods used to simplify quickly equivalent fractions

- Decimal fractions and rational numbers

IX) Algebraic expressions
- How to write

- How to multiply a monomial

- Operations on the algebraic expressions

X) Expanding and factorizing
Problem and solutions

XI) Equations
- Definitions

- Equivalent equations

- Translate into equations