

PRIMARY MATHEMATICS – GRADE 6

Basic Concepts for Placement Test (from grade 6 to 7)

School Year: 2010 - 2011

1. Operations on decimals :

To add , subtract , multiply , and divide decimals

Round a natural number to a nearest place value

Compare and order signed numbers.

2. Prime and Composite Numbers:

The prime factorization of a natural number

Least Common Multiple and Greatest Common Factor

3. Fractions and Mixed Numbers :

Add and subtract like and unlike denominators,

Multiply and divide fractions. Give the answer in the simplest form ,

Compare fractions and mixed number

Convert : Improper \leftrightarrow Mixed Number

4. Measurement's Properties :

Distinguish between the different metric units (length , mass, and capacity)

Use mental math or ladder 's way to move from one place unit into another

5. Geometry:

Define and construct parallel and perpendicular lines

All types of Angles: acute, obtuse... adjacent, complementary,

Triangles: construction, define all remarkable lines in it (median, bisector...)

Circle: construction, define all remarkable lines in it

Perimeter and area of basic shapes.