

## PRIMARY MATHEMATICS – GRADE 1

### Basic Concepts for Placement Test (from grade 1 to 2)

School Year: 2010 - 2011

#### Place Value

Make, Count and write tens.

Regroup 10 ones as 1 ten

Read and write numbers through 99

Identify place value of numbers through 99

Regroup objects into tens and ones and write the number in words and expanded form

Order numbers through 100( before, between, and after)

Identify ordinal numbers from first to tenth

Compare 2 digit numbers using  $<$  ,  $>$  , and  $=$

Skip count by 2s , and 5s to 100

Identify odd and even numbers

Identify the number that is 1 more, 1 less, 10 more, and 10 less than a given number.

#### Addition Concept

Add 1 digit number to 1 digit vertically and horizontally

Add 2 and 3 numbers one digit each vertically and horizontally

Write addition sentence to solve story problem

Add one - digit number to a two - digit number without regrouping

Add two - digit number without regrouping.

Write story problem on addition

#### Subtraction Concept

Subtract one - digit numbers from two - digit numbers without regrouping

Subtract two - digit numbers without regrouping.

Write subtraction sentence to solve story problem

Write subtraction stories

Choose the correct operation to solve a word problem

#### Fractions

Identify and count equal parts

Identify  $\frac{1}{2}$  halves, thirds,  $\frac{1}{4}$  fourths of a whole.

#### Statistics

Record data using a tally marks

Make, read, a pictograph , bar graph , line graph

Give and follow directions to find location on a coordinate grid

#### Measurement

Measure length using nonstandard units (paperclip, cube ....)

Measure objects using cm ruler (not necessarily starting from 0).

Compare and order length and height of objects

Compare and order the weight of objects using direct comparison ( heavier , lighter)

#### Plane and Solid Shapes

Classify and sort objects by size, color and shape

Identify, describe , and compare solid shapes ( face - edge - corner - name)

Classify and sort plane and solid shapes

Identify, describe and compare attributes of plane shapes (side - corner - names...)

Draw pictures to solve problem