

PRIMARY MATHEMATICS – GRADE 4

Basic Concepts for Placement Test (from grade 4 to 5)

School Year: 2010 - 2011

Place Value

Read , write , use models , words , expanded form to show numbers up to hundred millions
Compare , order , round , exploring place value relationship of numbers up to millions
Add and subtract 3 digits to 4 digit numbers
To solve problems on adding and subtracting with 3 & 4 digit numbers.

Multiplication

Multiplying 2 & 3 digit numbers by 1 & 2 digit numbers.
Multiplication properties distributive, associative, and commutative.
Solve problems on multiplication.

Division

Divide 2, 3, 4 digit dividend by 1& 2 digit divisor.
Solve problems on division.
Explore prime and composite numbers.
Explore divisibility rules.
Identify even and odd numbers.

Fractions

Name, write fractions and mixed numbers.
Explore equivalent fractions – use patterns to recognize equivalent fractions.
Find the greatest common denominator (G.C.F) –Find the simplest form of a fraction.
Use common denominators to compare and order like fractions, unlike fractions & unit fractions.
Explore& write improper fractions as mixed numbers and mixed numbers as improper fractions.
Find the least common denominator (L.C.M - L.C.D)
Adding & subtracting fractions and mixed numbers / Solve problems on fractions.

Decimals

Show , read , write , compare and order ,decimals using tenths , hundredths
Rounding decimals to the nearest whole number , tenths & hundredths
Add and subtract decimals through the hundredths place / Solve problems on decimals.

Statistics

Read and Make a pictograph , bar graph ,line graph and line plot
Use graphs to compare between a given data and solve problems.

Measurements

Explore centimeters, decimeters & meters.
Use and relate meters and kilometers.
Explore mass, metric capacity.

Time

Explore telling, estimating time / Find elapsed time
Exploring the calendar.

Geometry

Identify, name and draw (intersecting, perpendicular & parallel lines).
Explore and compare between plane shapes and solid shapes
Identify, name, draw angles
Classify polygons, quadrilaterals, triangles / Find area and perimeter of a square & rectangle.