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Math - Basic Concepts for **Evening Academic Sessions Jan-Feb 2019**

*Note:- The concepts of the current year will be taught to the students. For example, the student taking admission in Grade 2 in 2018-19, will be taught the Grade 1 concepts mentioned in the list.

Grade-1

Concepts that will be Taught

Numbers

Addition

Subtraction

Multiplication

Shapes and patterns

Measurement

Grade-2

Concepts that will be Taught

Numbers

Addition

Subtraction

Multiplication

Division

Fraction

Time and Calendar

Shapes and Patterns

Grade-3

Concepts that will be Taught

Numbers

Addition

Subtraction

Multiplication

Division

Fraction

Measurement

Grade-4

Concepts that will be Taught

Large Number and operations
Factors and Multiples
Fractions
Geometry
Measurement
Time
Money
Symmetry

Grade-5

Concepts that will be Taught

Large Number and operations
Factors and multiples
Fractions and Decimals
Percentage
Time
Money
Perimeter area and volume
Measurements
Geometry

Grade-6

Concepts that will be Taught

Number system in general
Geometry basics ideas
Fraction and decimals
Algebra
Ratio and proportion
Symmetry
Practical Geometry

Grade-7

Concepts that will be Taught

Integers
Fraction and Decimals
Geometry (Lines, angles, triangles)
Comparing Quantities
Perimeter and area
Algebraic expressions
Rational Number
Exponent and power
Visualizing Solid shapes

Grade-8

Concepts that will be Taught

Rational Numbers

Linear Equation in one variable

Understanding quadrilateral

Practical geometry

Comparing Quantities

Square and cube roots

Algebraic expressions and identities

Exponents and power

Factorization

Direct and Inverse Proportions

Grade -9

Concepts that will be Taught

Polynomial

Coordinate geometry

Linear Equations

Geometry (Lines and Angles, Triangles, Quadrilaterals, Circle)

Surface Area and Volume (Cube, Cuboids, Sphere, Cone)

Statistics

Probability

Construction