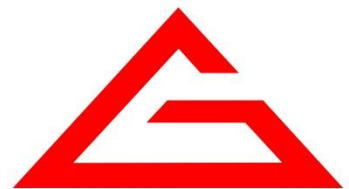




An Offline Learning Software for Classes KG to 12th



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CLASS –5

MATHEMATICS

ANGLES

Degree Measurement of Angles
Construction of angles according to their magnitude
Triangles
Circle
Elements of a circle
Shapes (Triangle, Quadrilateral, Pentagon, Hexagon)
Name of angles
Construction of 60 degree angle
Construction of 90 degree angle
Practice problems

WHOLE NUMBERS

Place value
Indian place value system
International place value system
Rounding of numbers
Ordering of numbers
Smallest number
Largest number
Roman numerals
Practice problems

QUADRILATERALS

Perimeter of a square
Perimeter of a rectangle
Perimeter of a triangle
Circumference of a circle
Perimeter of a rhombus
Perimeter of a parallelogram
Area of a square
Area of a rectangle



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Area of a triangle
Counting unit squares to find area formula
Practice problems

SYMMETRY

Symmetry
Line symmetry
Figures with multiple lines of symmetry
Reflection and symmetry
Rotational symmetry
Practice problems

FACTORS AND MULTIPLES

Factors
Co prime numbers
Composite and prime numbers
Even and odd numbers
Prime factorization method
Prime factorization method for finding HCF
Cross division method for finding HCF
Lowest common multiple (LCM)
Cross division method for finding LCM
Practice problems

FRACTIONS

Fractions
Equivalent fractions
Simplifying a fraction
Like and unlike fraction
Unlike to like fraction
Proper and improper fraction
Comparison of fraction
Mixed to improper fraction
Improper to mixed fraction
Arrange fraction
Addition of fraction
Addition of mixed fraction



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Subtraction of fraction
Subtraction of mixed fraction
Multiplication of fraction with a whole number
Multiplication of fraction with a fraction
Properties of multiplication of fraction
Dividing a fraction with a whole number
Dividing a whole number by a fraction
Dividing a fraction by a fraction
Properties of division of fraction

PATTERNS

Turns and patterns
Number patterns
Squares of numbers
Patterns of tiles
Practice problems

DECIMALS

Decimals
Place value of decimals
Arrange decimal numbers Expanded form of decimals
Like and unlike decimals
Comparison of unlike decimals
Decimals to fraction
Fraction to decimal
Fraction to decimal (long division method)
Addition of decimals
Subtraction of decimals
Fraction to decimal
Multiplication of decimals by 10,100,1000,10000
Multiplication of decimals by a whole number
Multiplication of decimals by another decimal
Division of decimals by 10,100,1000,10000
Division of decimal by a whole number
Division of decimal by a decimal
Division of whole number by a decimal
Division of a whole number by a whole number (decimal)



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SCIENCE

EVERY DROP COUNTS

Lakes and ponds to collect water

Manmade lakes

Wells and step wells

Natural resources of water

How water is recharged

How do we get water?

EXPERIMENTS WITH WATER

What floats – What sinks

Water can dissolve many solids

Sand does not dissolve in water

Density of water increases when more salt is added

Heterogeneous solution

Homogeneous solution

States of matter

Change in states of water

Distillation of salt water

Dead sea

A TEART FOR MOSQUITOES

Life cycle of mosquito

Malaria

How to control mosquitoes

Mosquitoes that spread diseases

Diseases caused by mosquitoes

WALL TELL STORIES

Kinds of houses

Water resources – 1

Water resources – 11



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SUNITHA IN SPACE

Earth
Internal structure of earth
Globe
View of earth from the moon
Sunitha Williams in space station
Spaceship
Gravitational force
The moon
Phases of moon
Stars
Falling of a feather and a coin – Experiment
Night sky
Planetary data

WHEN THE EARTH SHOOK!

Earthquake
Drought
Flood
Forest fire
Cyclone – 1
Volcano tectonic movements

WHAT IF IT FINISHES?

Types of fuels
Uses of petroleum products
Mode of transport
A petrol pump
Solar energy
Pollution due to burning of wood
Air pollution

BLOW HOT , BLOW COLD

Breathe
Human respiratory system
Diagram – Human respiratory system
Heart beat
Respiratory organs in some animals



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A SEED TELL'S FARMERS STORY

Crops

Food from plants

Harvesting

Agricultural developments

Making of cloth from cotton

Storage

WHO'S FOREST?

Forest -1

Forest – 2

Soil erosion