

SESSION : 1

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 7

CHAPTER NAME : GEOMETRY

SUBTOPIC : CURVED LINE, STRAIGHT LINE, 2-D SHAPES

CHANGING YOUR TOMORROW

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LEARNING OBJECTIVE :

Children will:

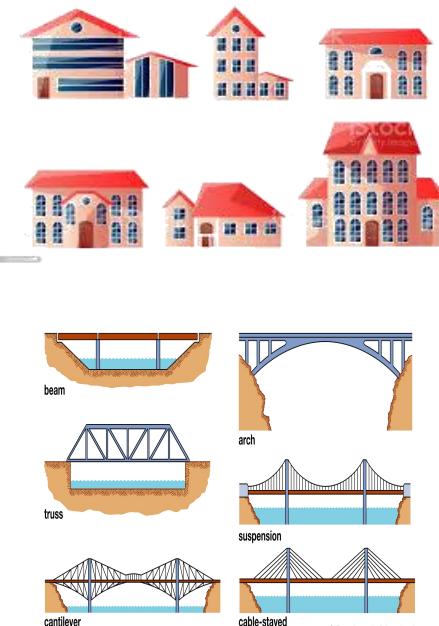
- * Learn about the need for geometry.
- * Identify various geometric shapes.
- * Know the concept of geometry.
- * Learn to identify, name, and describe 2-dimensional shapes.
- * Sort shapes into categories based on their attributes.
- * Draw various shapes.
- * Compare and contrast shapes.

GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES

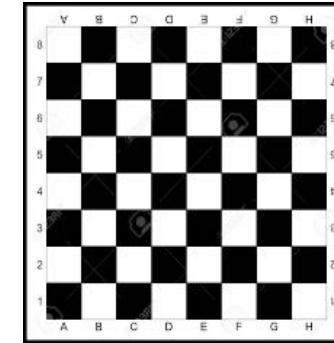
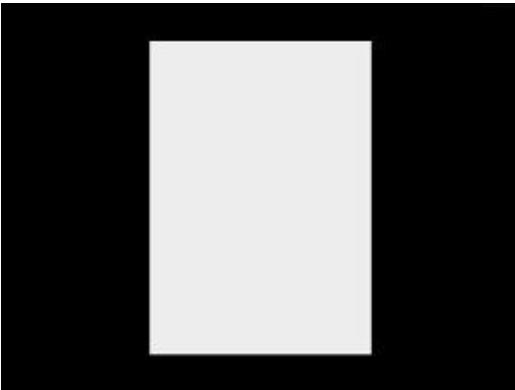
Do you know what GEOMETRY mean???

Geometry is a branch of mathematics that deals with measurements and properties of different points, lines, surfaces, solids, angles and deals with some basic shapes. Geometry is a kind of mathematics that deals with shapes and figures. Geometry explains how to build or draw shapes, measure them, and compare them. People use geometry in many kinds of work, from building houses and bridges to planning space travel.



GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES



A SHEET OF PAPER

BANGLE

CLOCK

CHESS BOARD

Now tell me the shape of each object.....

Can you say whether it is having straight line or curved line.....

STRAIGHT LINE, CURVED LINE, CURVED LINE, STRAIGHT LINE

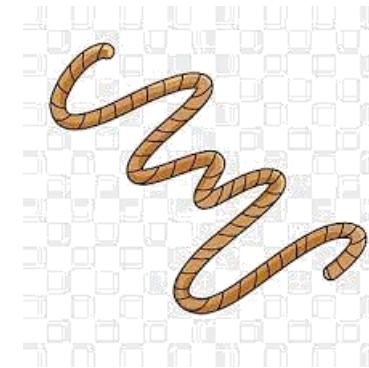
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What are these?

These are ropes. They are forming curves.

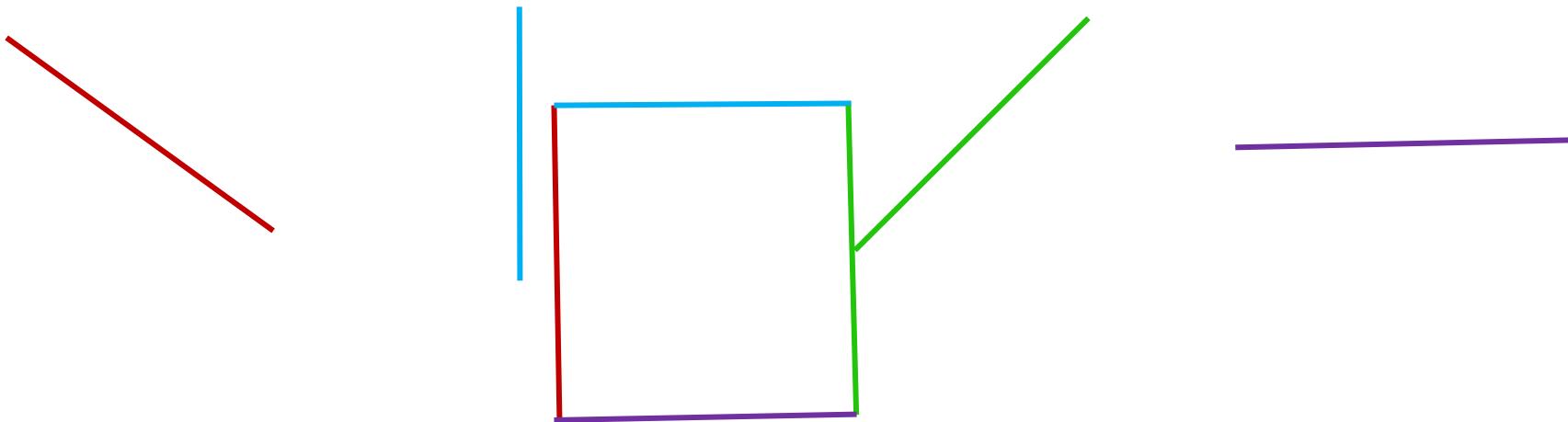


Curved Line

A smoothly bent line which is not straight is called a Curved Line.

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CURVED LINE, STRAIGHT LINE, 2-D SHAPES



Straight Line

The shortest line that joins any two points is called a Straight Line.

2 - D Shapes

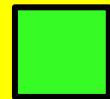
'2D', or 'two-dimensional', simply means that the shape is flat.

"Two Dimensional" means Length and Width

Examples of 2-D shapes-



— TRIANGLE



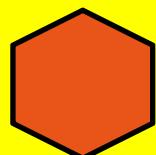
— SQUARE



— RECTANGLE



— CIRCLE



— HEXAGON



— OVAL



— RHOMBUS

GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES

KEY WORDS

CORNER OR VERTEX (VERTICES)

DIAGONALS

STRAIGHT LINES

CURVED LINES

SIDES

GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES

Book page 90 in notebook.

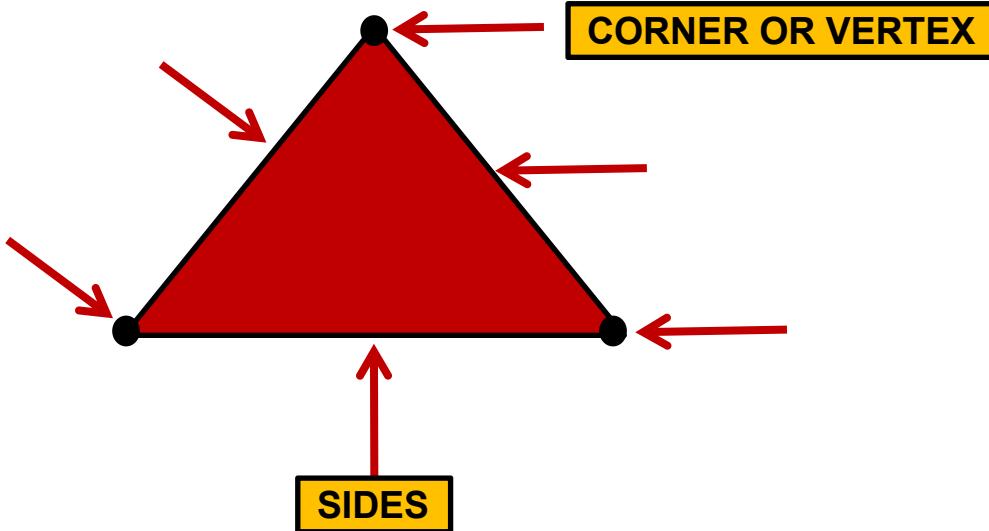


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Now let us see the 2 - D Shapes one by one in details.

TRIANGLE



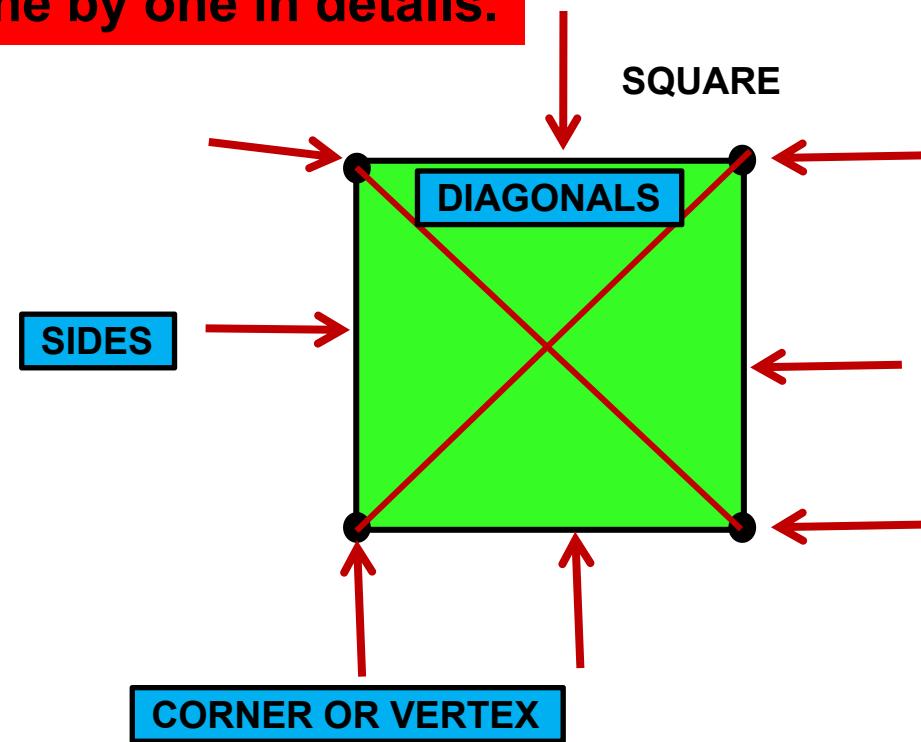
A Triangle has 3 sides.
Sides may be equal and also
may not. There are 3
vertices in a triangle.

GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES

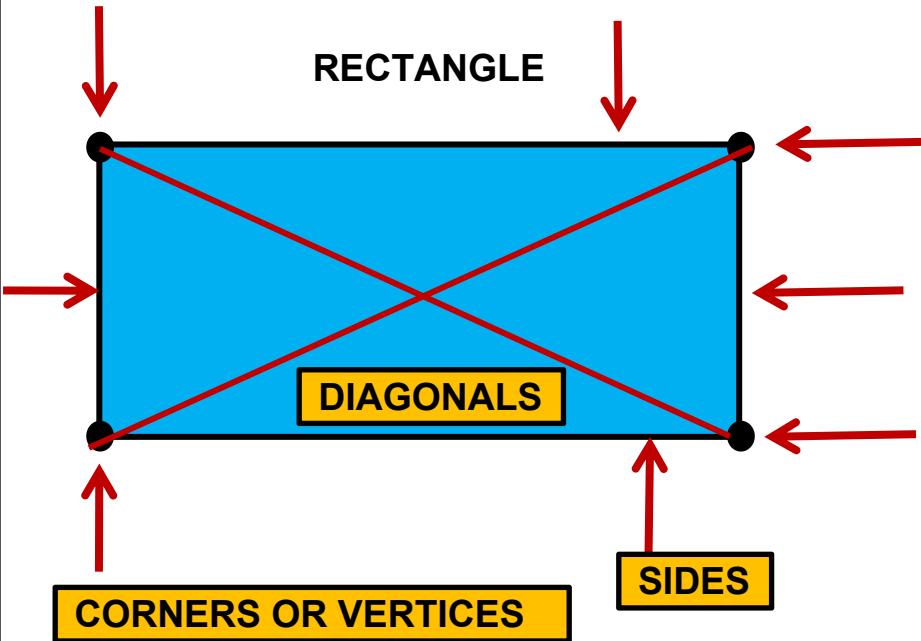
Now let us see the 2 - D Shapes one by one in details.

A Square has 4 equal sides and all the angles formed are right angles. There are 4 vertices in a square and has 2 diagonals.



GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES



A Rectangle has 4 equal sides and all the angles formed are right angles. There are 4 vertices in a rectangle and has 2 diagonals.

GEOMETRY

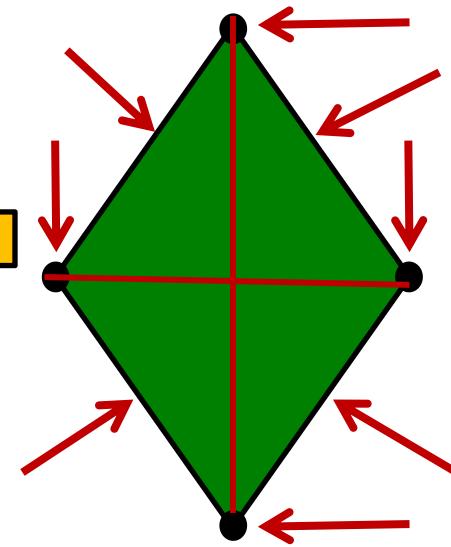
CURVED LINE, STRAIGHT LINE, 2-D SHAPES

A Rhombus has 4 equal sides but all the angles formed are not right angles. There are 4 vertices in a rhombus and has 2 diagonals.

CORNERS OR VERTICES

SIDES

DIAGONALS

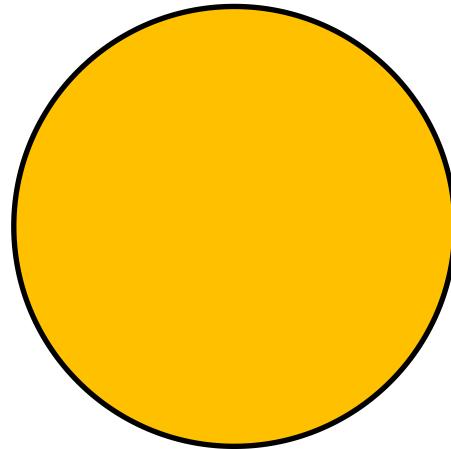


RHOMBUS

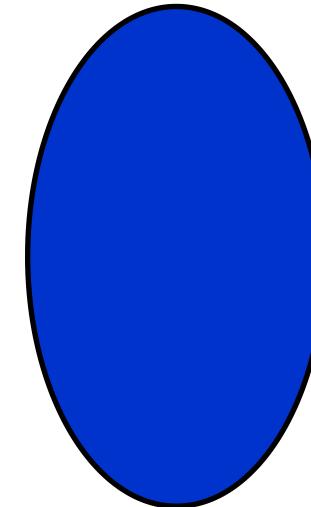
GEOMETRY

CURVED LINE, STRAIGHT LINE, 2-D SHAPES

The 2 - D Shapes with no corners, sides or diagonals.



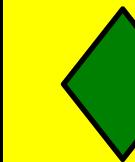
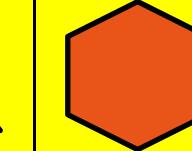
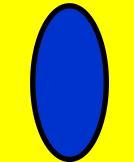
CIRCLE



oval

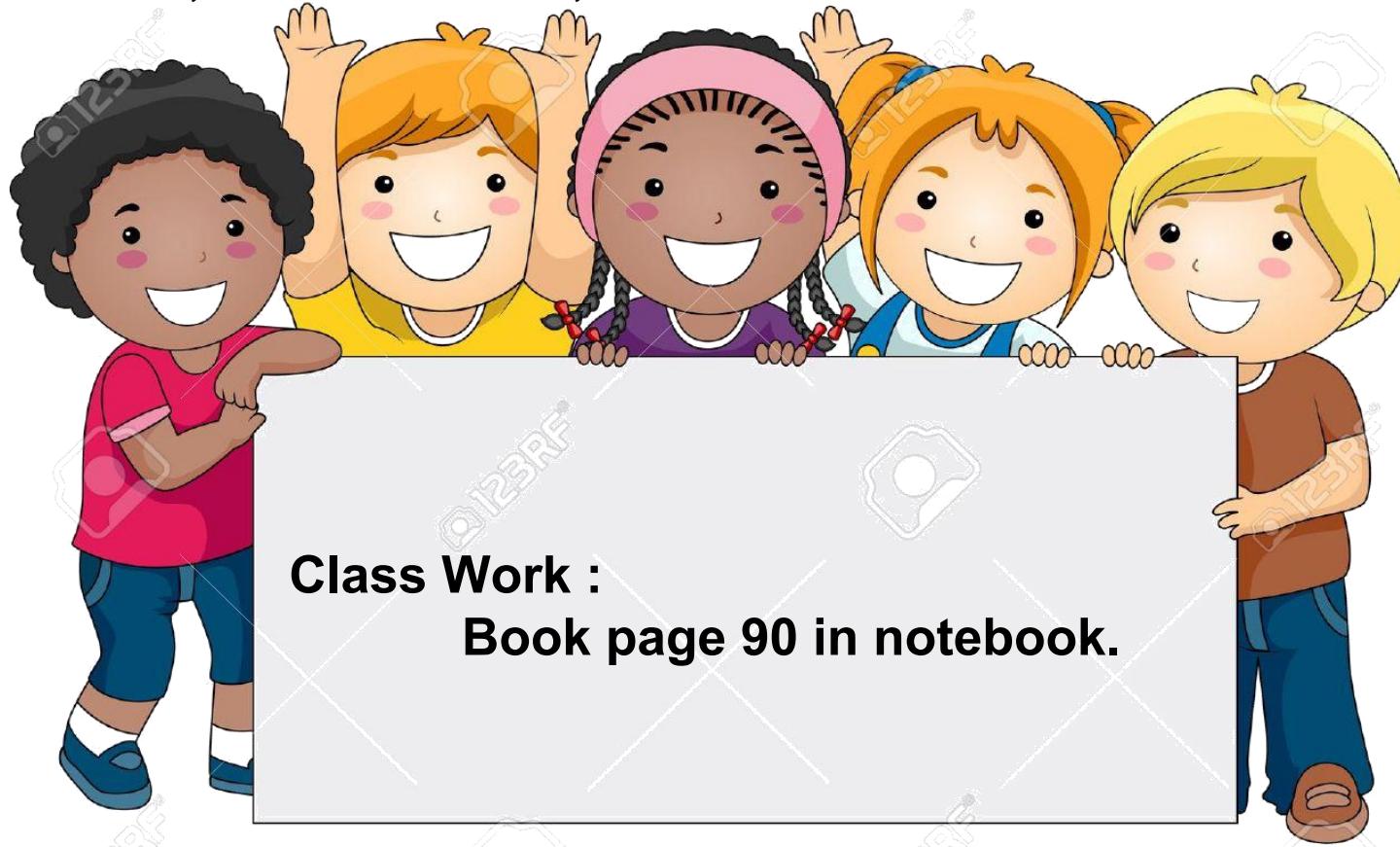
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CURVED LINE, STRAIGHT LINE, 2-D SHAPES

SHAPES	Square	Rectangle	Rhombus	Triangle	Hexagon	Circle	Oval
							
Vertices	4	4	4	3	6	0	0
Sides	4	4	4	3	6	0	0
Diagonals	2	2	2	0	3	0	0
Straight Lines	4	4	4	3	6	0	0
Curved Lines	0	0	0	0	0	1	1

GEOMETRY

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LEARNING OUTCOME:

Children are confident learn about the need for geometry, identify various geometric shapes, know the concept of geometry, learn to identify, name, and describe 2-dimensional shapes, sort shapes into categories based on their attributes, draw various shapes and compare and contrast shapes.

THANKING YOU
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