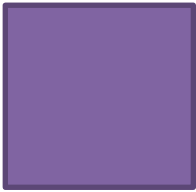




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2D Shapes

<p><u>Square</u></p> <ul style="list-style-type: none">• All four angles are equal and they are right angles (90 degrees).• Opposite sides of a Square are parallel.• Diagonals are equal to each other and bisect each other at 90 degrees.• Square is a quadrilateral.• The sum of all the interior angles is equal to 360 degrees.	
<p><u>Rectangle</u></p> <ul style="list-style-type: none">• Opposite sides are parallel and equal• All interior angles are 90 degrees..• Diagonals are equal and bisect each other.• Rectangle is a quadrilateral.• The sum of all the interior angles is equal to 360 degrees.	
<p><u>Rhombus</u></p> <ul style="list-style-type: none">• Rhombus is a quadrilateral.• The sum of all the interior angles is equal to 360 degrees.• All sides are equal and opposite side are parallel.• Diagonals are equal and bisect each other at 90 degrees.	

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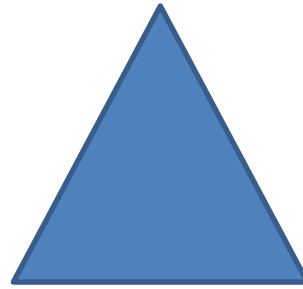
Triangle

- Triangle has three sides and three angles.
- The sum of all the interior angles is equal to 180 degrees.
- There are three types of triangles.

Equilateral triangle(all same sides and same angles)

Isosceles triangle (two sides and two angles are equal)

Scalene triangle(All sides and angles are different)


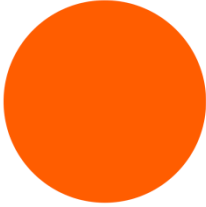
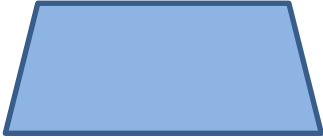


Parallelogram

- Parallelogram is a quadrilateral.
- The sum of all the interior angles is equal to 360 degrees.
- Opposite angles are equal.
- Opposite sides are parallel and equal.
- Diagonals bisect each other.
- Sum of adjacent angles is 180 degrees. Interior opposite angles.



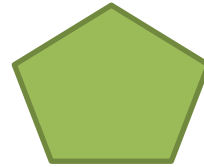
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<p style="text-align: center;"><u>Kite</u></p> <ul style="list-style-type: none">• Kite is a quadrilateral.• The sum of all the interior angles is equal to 360 degrees.• Two pairs of adjacent sides are equal.• Diagonals intersect each other at 90 degrees.• The longer diagonal bisects the shorter diagonal.• Kite is symmetrical about main diagonal (longer diagonal).	
<p style="text-align: center;"><u>Circle</u></p> <ul style="list-style-type: none">• Circle is closed round figure with no edges.• Diameter is the line passing through the centre of the circle.• Radius is half of diameter.• Diameter is the longest chord of a circle.	
<p style="text-align: center;"><u>Trapezium</u></p> <ul style="list-style-type: none">• Trapezium is a quadrilateral.• The sum of all the interior angles is equal to 360 degrees.• Top and bottom sides are called as bases.• Opposite side are parallel.	

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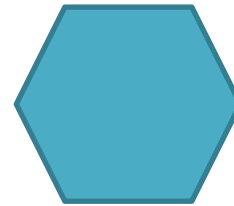
Pentagon

- A pentagon is a five sided figure.
- All sides and all angles are equal in a regular pentagon.
- The sum of all interior angles in a pentagon is equal to 540 degrees.
- The sum of all exterior angles in a pentagon is equal to 360 degrees.



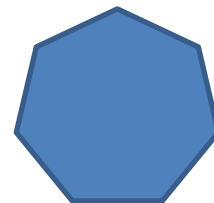
Hexagon

- A hexagon is a six sided figure.
- All sides and all angles are equal in a regular hexagon.
- The sum of all interior angles in a hexagon is equal to 720 degrees.
- The sum of all exterior angles in a hexagon is equal to 360 degrees.

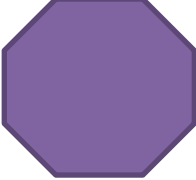
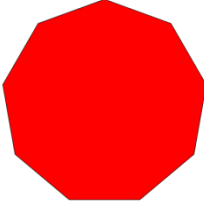


Heptagon

- A heptagon is a seven sided figure.
- All sides and all angles are equal in a regular heptagon.
- The sum of all interior angles in a heptagon is equal to 900 degrees.
- The sum of all exterior angles in a heptagon is equal to 360 degrees.



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<p style="text-align: center;"><u>Octagon</u></p> <ul style="list-style-type: none">• An octagon is an eight sided figure.• All sides and all angles are equal in a regular octagon.• The sum of all interior angles in an octagon is equal to 1080 degrees.• The sum of all exterior angles in an octagon is equal to 360 degrees.	
<p style="text-align: center;"><u>Nonagon</u></p> <ul style="list-style-type: none">• A nonagon is a nine sided figure.• All sides and all angles are equal in a regular nonagon.• The sum of all interior angles in a nonagon is equal to 1260 degrees.• The sum of all exterior angles in a nonagon is equal to 360 degrees.	
<p style="text-align: center;"><u>Decagon</u></p> <ul style="list-style-type: none">• A decagon is a ten sided figure.• All sides and all angles are equal in a regular decagon.• The sum of all interior angles in a decagon is equal to 1440 degrees.• The sum of all exterior angles in a decagon is equal to 360 degrees.	