

Plane Geometric Shapes

square



- 4 equal sides
- 4 right (90°) angles
- The sum of the inside angles equals 360° .

circle



- closed curve with a set of points in one plane and the same distance from a center point
- Circumference (C) is the perimeter of a circle.

pentagon



- 5 sides and 5 angles
- The sum of the inside angles equals 540° .
- regular pentagon: sides & angles are equal

triangle



- 3 sides and 3 angles
- The sum of the inside angles equals 180° .
- Types of triangles: equilateral, scalene, right, isosceles

rectangle



- 4 sides: opposite sides parallel & equal in length
- 4 right (90°) angles
- The sum of the inside angles equals 360° .

rhombus



- 4 equal sides
- Opposite angles are equal.
- The sum of the inside angles equals 360° .

trapezoid



- 4 sides
- 2 parallel sides
- The sum of the inside angles equals 360° .

octagon



- 8 sides and 8 angles
- 8 inside angles
- The sum of the inside angles equals 1080° .

hexagon



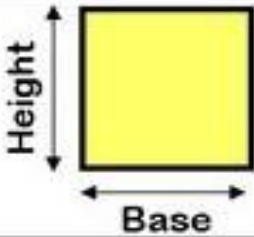
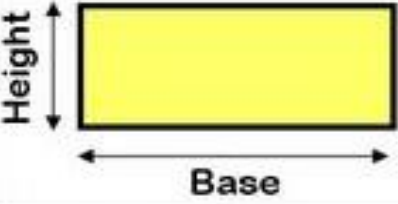
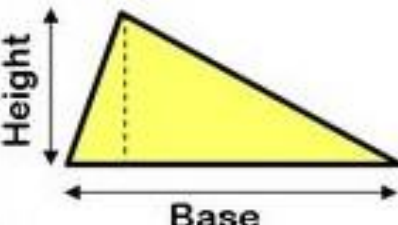
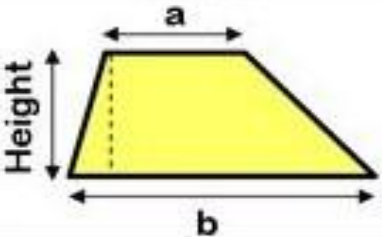
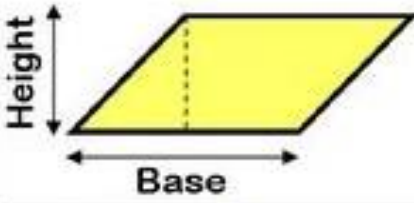
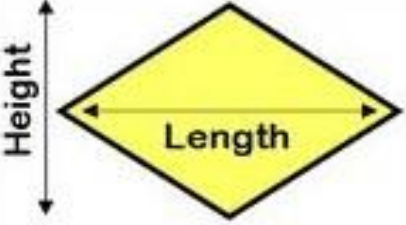
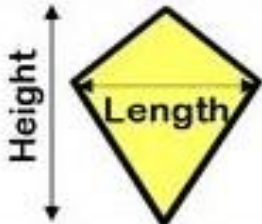
- 6 sides and 6 angles
- Opposite sides of a regular hexagon are parallel.
- The sum of the inside angles equals 720° .

parallelogram



- 4 sides: opposite sides parallel and equal in length
- The square, rhombus, and rectangle are parallelograms.

Area of Plane Figures

Shape	Name	Formula for Area
	Square	Base x Height
	Rectangle	Base x Height
	Triangle	Base x Perpendicular Height ÷ 2
	Trapezium	$\frac{(a + b) \times \text{height}}{2}$
	Parallelogram	Base x Perpendicular Height
	Rhombus	Length x Height ÷ 2
	Kite	Length x Height ÷ 2