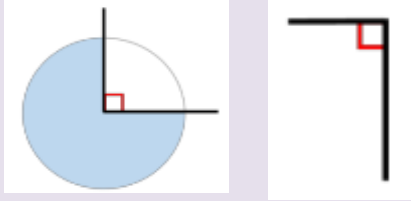
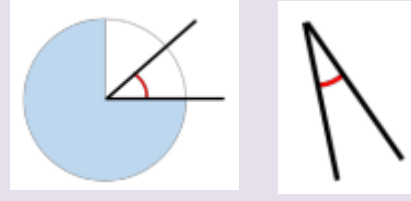


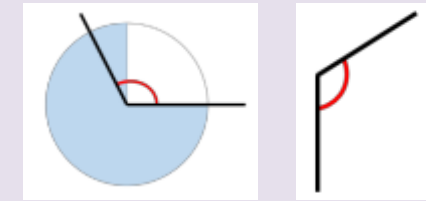
Angles



A **right angle**
measures 90°



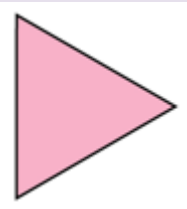
Acute angles are smaller
than right angles



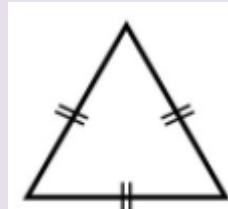
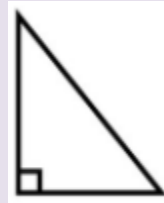
Obtuse angles are larger
than right angles

Types of Triangle

All **triangles** have 3 sides and 3 vertices. The total of the angles in any triangle is 180°

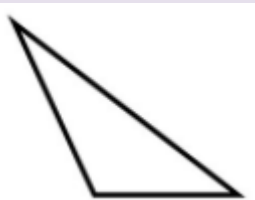
equilateral

All sides are of equal length
All angles are equal
Each angle is 60°

**right-angled**

One angle is equal to 90°

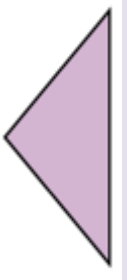
A right angled triangle can also be isosceles

**scalene**

A scalene triangle has no
equal sides or equal angles

**isosceles**

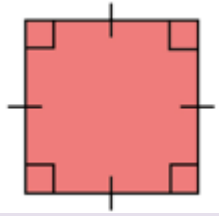
An isosceles triangle has 2
equal sides and 2 equal angles



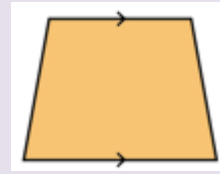
Quadrilaterals and their Properties

A **quadrilateral** is a 4 sided polygon. All quadrilaterals have 4 sides and 4 vertices. The total of the angles in any quadrilateral is 360°

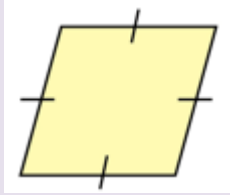
A **square** has 4 equal sides and 4 right angles.



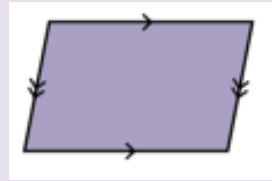
A **rectangle** has 2 pairs of parallel, equal sides and 4 right angles.



A **trapezium** has 1 pair of opposite parallel sides



A **rhombus** has 4 equal sides. Its opposite angles are equal.



A **parallelogram** has 2 pairs of parallel equal sides. Its opposite angles are equal.

Vocabulary

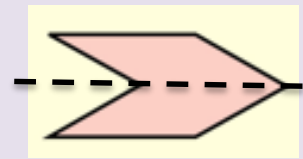
angles	right angled, acute, obtuse
triangles	equilateral isosceles right-angled scalene
quadrilaterals	square rectangle rhombus trapezium parallelogram
properties	side edge vertex vertices angle symmetry
lines	horizontal vertical diagonal
polygon	2D shapes formed of straight lines

Lines of Symmetry

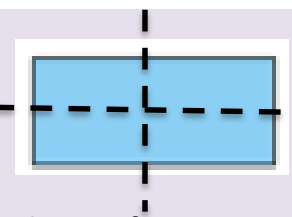
Lines of symmetry can be horizontal, vertical or diagonal.



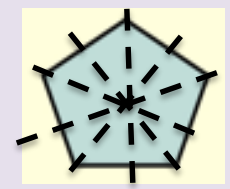
No lines of symmetry



1 line of symmetry



2 lines of symmetry



Multiple lines of symmetry