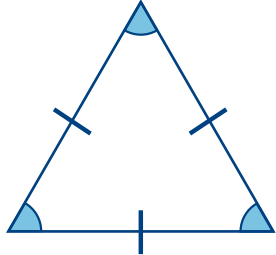
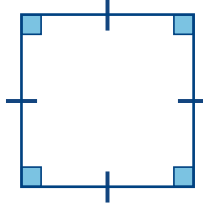
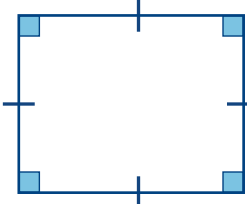
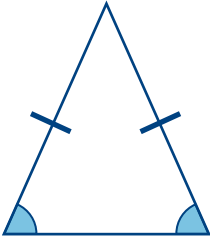
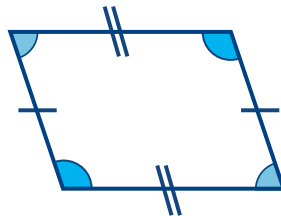
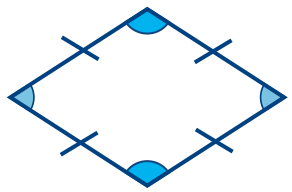
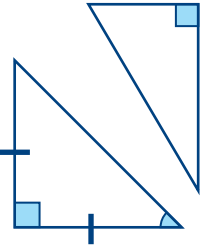
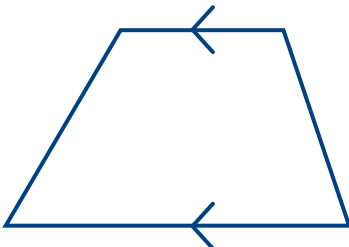
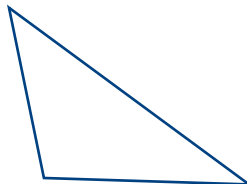


Key Vocabulary	Triangles	Quadrilaterals	
angle	<p>Triangles have 3 sides and 3 vertices. The total of the angles in a triangle is <math>180^\circ</math>.</p>  <p>An equilateral triangle is a regular polygon. It has sides of equal length and each angle is <math>60^\circ</math>.</p>	<p>A quadrilateral is a polygon with four sides.</p> 	
right angle		<p>A square has four sides of equal length and four right angles (<math>90^\circ</math>). A square is also a rectangle, a rhombus and a parallelogram.</p>	 <p>A rectangle has two pairs of parallel, equal sides and four right angles. A rectangle is also a parallelogram.</p>
acute	<p>An isosceles triangle has two sides of equal length and two angles of equal size.</p> 	<p>A parallelogram has two pairs of parallel, equal sides and opposite equal angles.</p> 	<p>A rhombus has four sides of equal length and opposite equal angles. A rhombus is also a parallelogram.</p> 
obtuse		<p>A right-angled triangle always has one <math>90^\circ</math> angle. It can be isosceles or scalene.</p> 	<p>A trapezium only has one pair of opposite parallel sides.</p> 
horizontal	<p>A scalene triangle has no equal sides or angles.</p> 		
vertical			
diagonal			
parallel			
perpendicular			
two-dimensional			
polygon			
line of symmetry			
reflection			
mirror line			
isosceles			
equilateral			
scalene			
quadrilateral			
rhombus			
parallelogram			
trapezium			

## Angles

An angle is created when two straight lines meet at a point or intersect.

### Right angle

The intersection of perpendicular lines creates a right angle.



### Acute angle

Any angle measuring more than 0 degrees and less than 90 degrees is acute.



### Obtuse angle

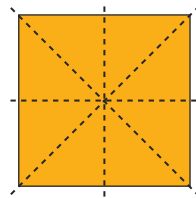
Any angle measuring more than 90 degrees but less than 180 degrees is obtuse.



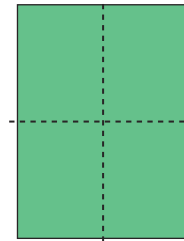
## Lines of Symmetry

Lines of symmetry may be horizontal, vertical or diagonal. Some 2D shapes will have no lines of symmetry and some 2D shapes will have multiple lines of symmetry.

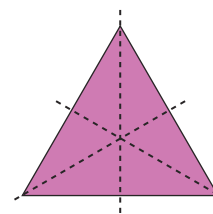
A square has four lines of symmetry.



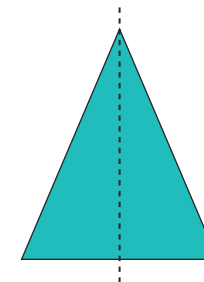
A rectangle has two lines of symmetry.



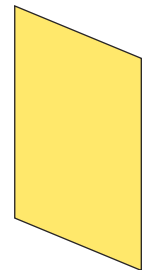
An equilateral triangle has three lines of symmetry.



An isosceles triangle has one line of symmetry.



A parallelogram has no lines of symmetry.



## Symmetric Figures

Patterns and shapes can be reflected in a mirror line. Mirror lines can be vertical, horizontal or diagonal.

