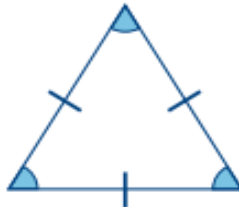
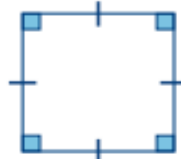


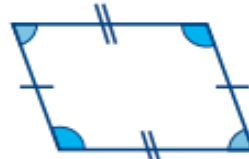


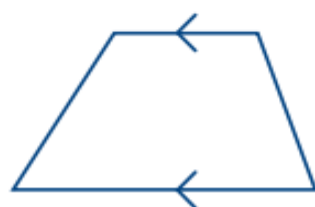
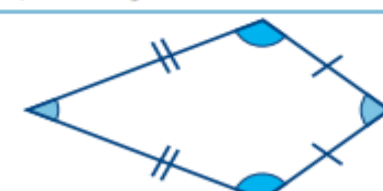




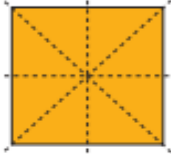
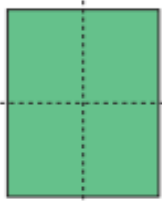
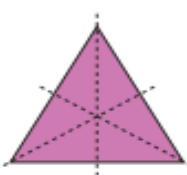

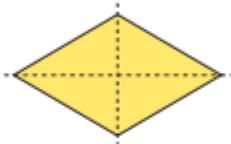
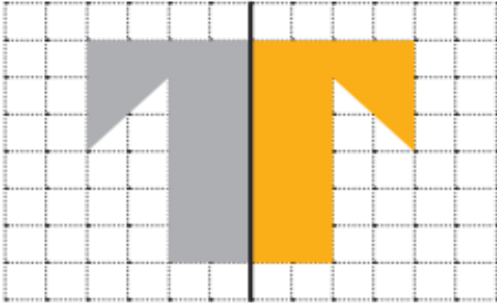
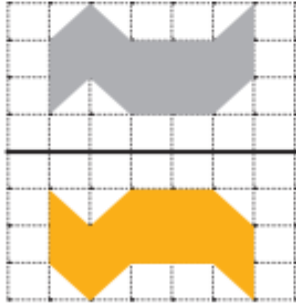
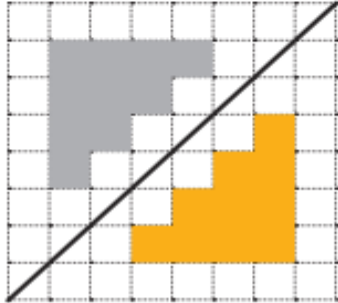


Properties of Shape		Knowledge Organiser					
Key Vocabulary	Triangles	Quadrilaterals					
angle	<p>Triangles have 3 sides and 3 vertices. The total of the angles in a triangle is 180°.</p>  <p>An equilateral triangle is a regular polygon. It has sides of equal length and each angle is 60°.</p>	<p>A quadrilateral is a polygon with four sides.</p>  <p>A square has four sides of equal length and four right angles (90°). 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>				
right angle		 <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>			
acute					 <p>A right-angled triangle always has one 90° angle. It can be isosceles or scalene.</p>	 <p>A trapezium only has one pair of opposite parallel sides.</p>	 <p>A kite has two pairs of adjacent equal sides and one pair of opposite equal angles.</p>
obtuse							
horizontal							
vertical	 <p>A scalene triangle has no equal sides or angles.</p>						
diagonal							
parallel							
perpendicular							
two-dimensional							
polygon							
line of symmetry							
reflection							
mirror line							
isosceles							
equilateral							
scalene							
quadrilateral							
rhombus							
parallelogram							
trapezium							
Year 4							

Properties of Shape	Knowledge Organiser
Angles	Lines of Symmetry
<p>An angle is created when two straight lines meet at a point or intersect.</p> <p>Right angle The intersection of perpendicular lines creates a right angle.</p>  <p>Acute angle Any angle measuring more than 0 degrees and less than 90 degrees is acute.</p>  <p>Obtuse angle Any angle measuring more than 90 degrees but less than 180 degrees is obtuse.</p>  <div data-bbox="248 1254 526 1337">Year 4</div>	<p>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.</p> <div> <div> <p>A square has four lines of symmetry.</p>  </div> <div> <p>A rectangle has two lines of symmetry.</p>  </div> <div> <p>An equilateral triangle has three lines of symmetry.</p>  </div> <div> <p>An isosceles triangle has one line of symmetry.</p>  </div> <div> <p>A rhombus has two lines of symmetry.</p>  </div> </div> <p>Symmetric Figures</p> <p>Patterns and shapes can be reflected in a mirror line. Mirror lines can be vertical, horizontal or diagonal.</p> <div>    </div>