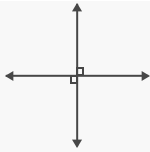
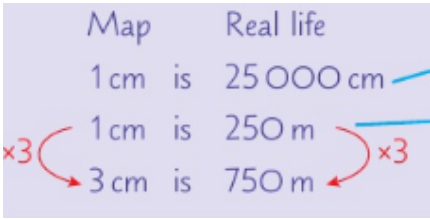
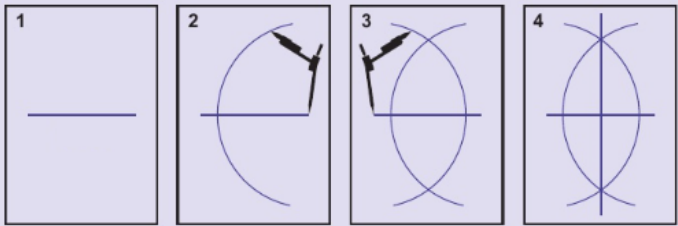
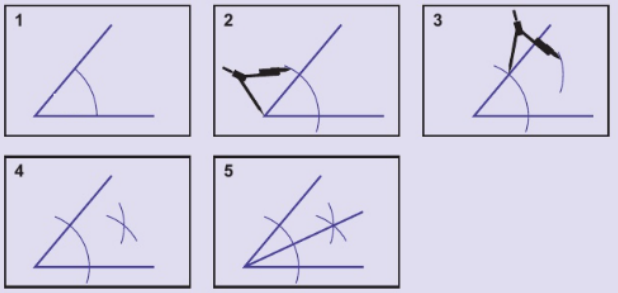
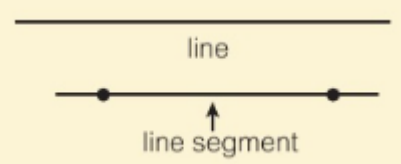
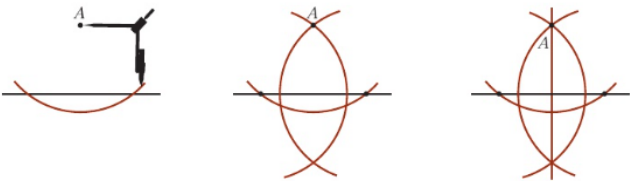

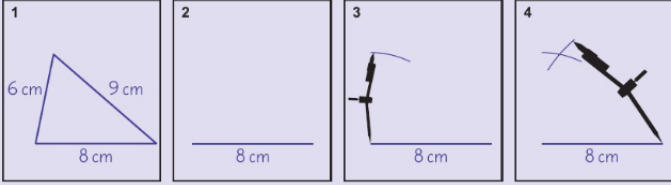
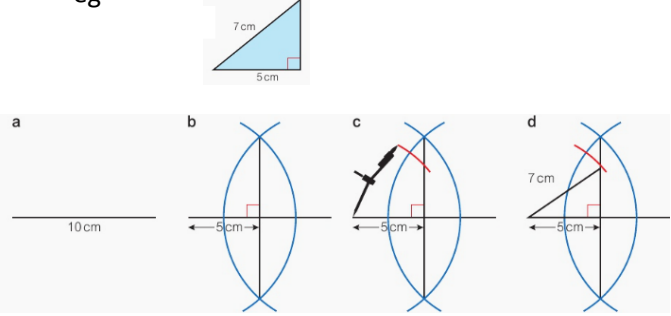
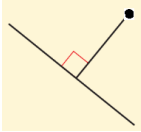


Prior Knowledge		
Metric conversions	$3.5\text{km} = 3.5 \times 1000 = 3500\text{m}$ Multiply to go to a smaller unit of measure $56\text{mm} = 56 \div 10 = 5.6\text{cm}$ Divide to go to a bigger unit of measure	Length: $1\text{km} = 1000\text{m}$ $1\text{m} = 1000\text{mm}$ $1\text{m} = 100\text{cm}$ $1\text{cm} = 10\text{mm}$
Perpendicular		means at right angles. eg two lines are perpendicular if they have a 90 degree angle between them
Core knowledge		
Scale	eg. For scale 1 : 25 000 what does 3cm represent? 	You can write scale as a ratio scale 1 : 25 000 means 1cm on the map represents 25 000 cm in real life
Construct		Construct means accurately draw with a ruler, pencil and compasses
Bisect		Bisect means to cut in half
Perpendicular bisector	How to construct: 	A perpendicular bisector is a line that cuts another line in half at right angles
Angle bisector	How to construct: 	An angle bisector cuts an angle in half
Line segment		A line segment has two clear end points
Perpendicular from a point to a line	a Draw an arc from point A. b Keep compasses the same distance apart. Draw an arc from each of the two points where the arc crosses the line. c Join the points where the arcs intersect. 	Construct a perpendicular from a point to a line using ruler and compasses

<p>perpendicular from a point on a line</p>	 <p>Put your compasses on P and draw arcs so that P is the midpoint of a line segment between the arcs. Construct the perpendicular bisector for this line segment.</p>	<p>Construct a perpendicular from a point on a line using a ruler and compasses</p>
<p>Construct triangle SSS</p>	<p>Construct a triangle with sides of 8 cm, 6 cm and 9 cm.</p> 	<p>Use a ruler and compasses to construct a triangle with three given sides (SSS)</p>
<p>Construct a right angled triangle</p>	<p>eg</p> 	<p>Use a ruler and compasses to construct a right angled triangle</p>
<p>Accurate drawings</p>		<p>Accurate drawings are drawn to scale, with accurate angles. Use a ruler, pencil and protractor to make accurate drawings.</p>
<p>Shortest distance from a point to a line</p>		<p>The shortest distance from a point to a line is the perpendicular distance</p>