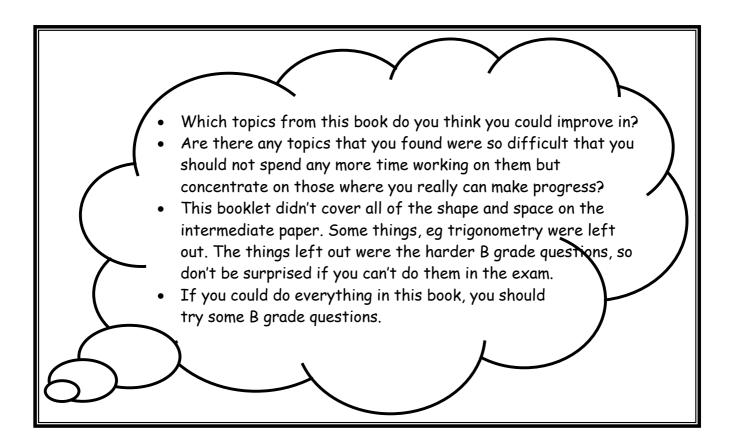
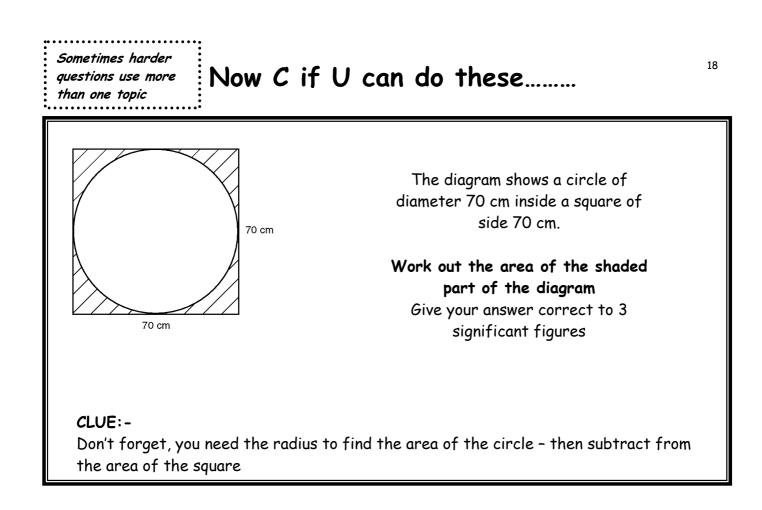
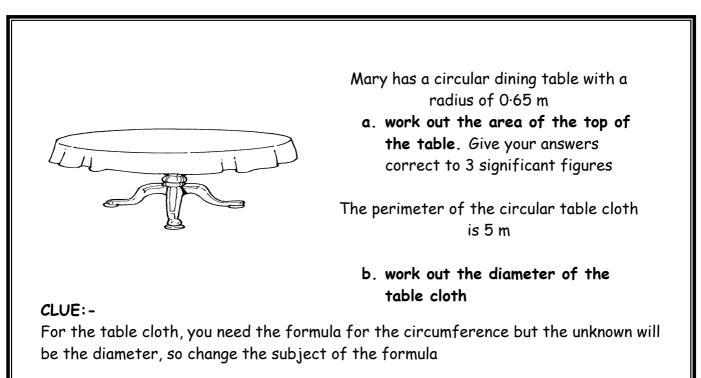
## CifUcan Shape and space

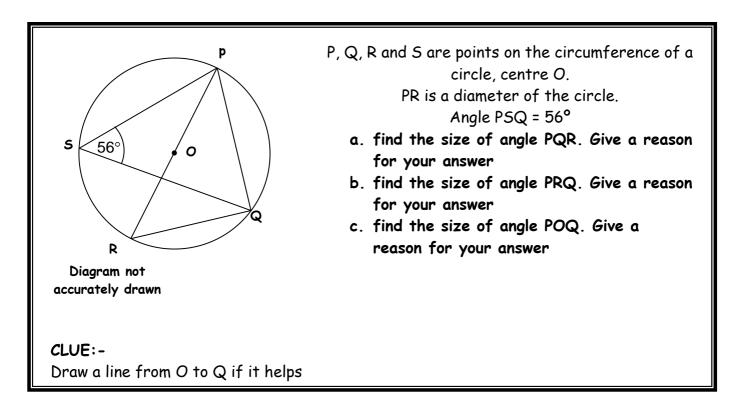
## How will this booklet help you to move from a D to a C grade?

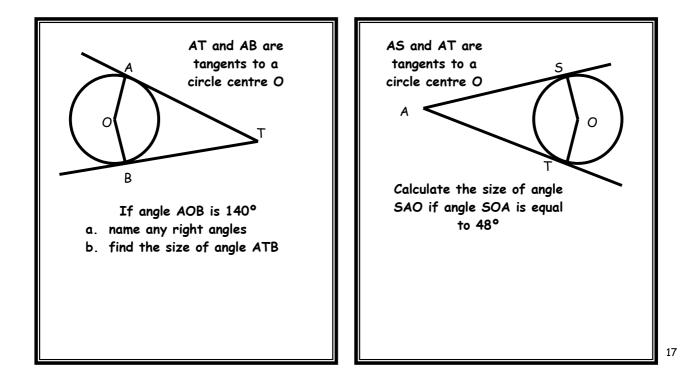
- The topic of shape and space is split into five units angles, transformations, the circle, area and volume and Pythagoras and trigonometry
- For each unit, you start by thinking about which types of question you are confident with, which types you're not sure about and which types cause you a real problem and assess yourself using the grid
- You then try some questions similar to those you have seen before usually D grade questions so you can see whether your self assessment is accurate
- You then have some questions to try which are harder these are C grade questions. There are hints to help you if you don't know where to start
- There are also some C grade questions with even bigger hints available from your teacher if you need them and there are also some C grade questions with no help (also available from your teacher) for when you feel brave enough!

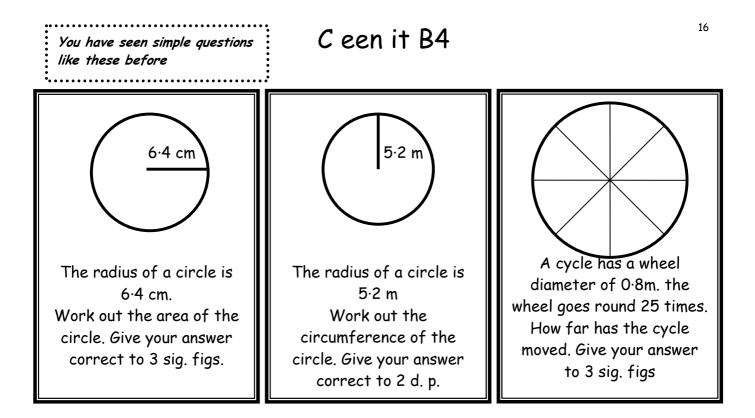




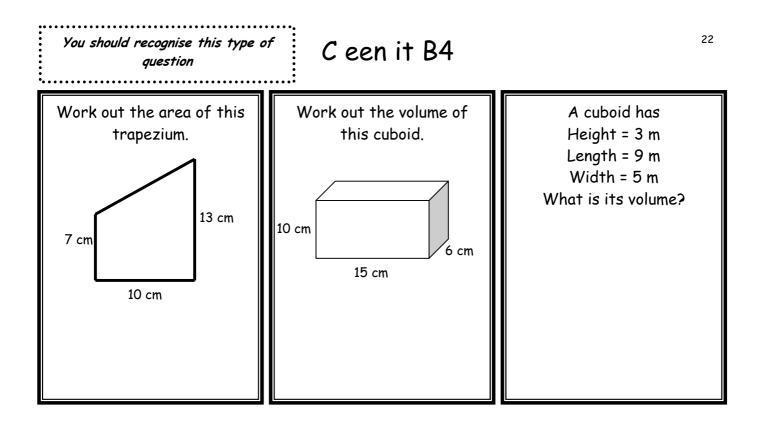




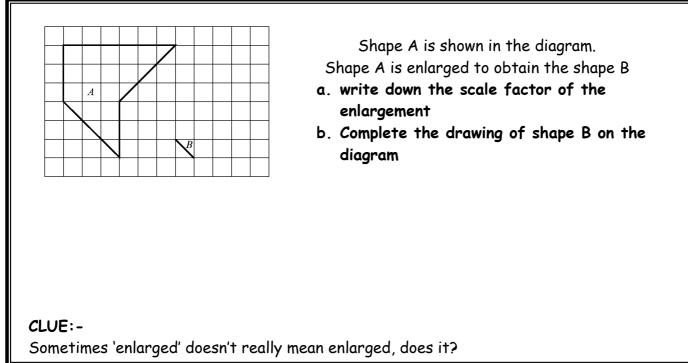


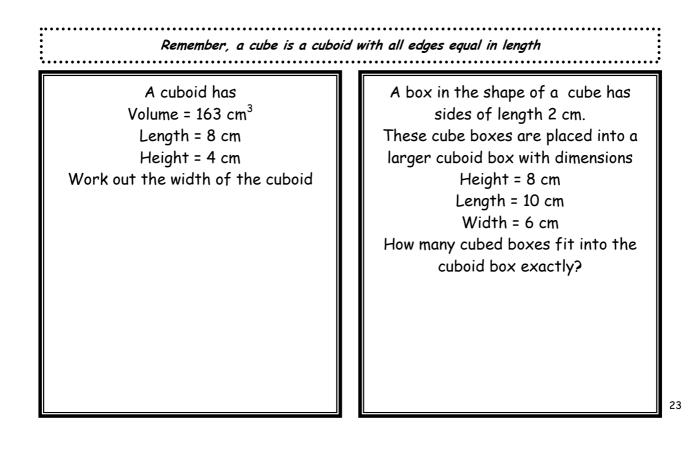


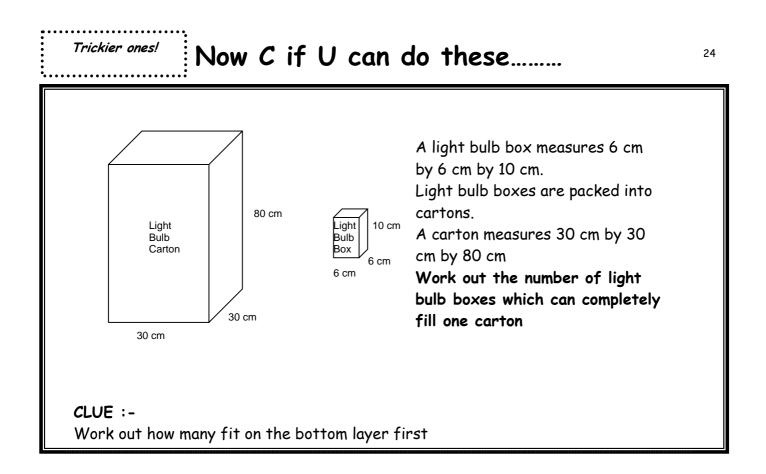
Assess now well you think you	C if U can Area and volume	<b>C</b> onfident	<b>C</b> lose	<b>C</b> lueless	At the end of the section, think
Calculate the perimeter of 2D shap	es				about your self assessment. Were you right?
Calculate the area of 2D shapes					
Calculate the volume of cuboids and	prisms				
Calculate the surface area of 3D sho triangular and rectangular faces	apes with				
Solve problems involving volumes of	3D shapes				

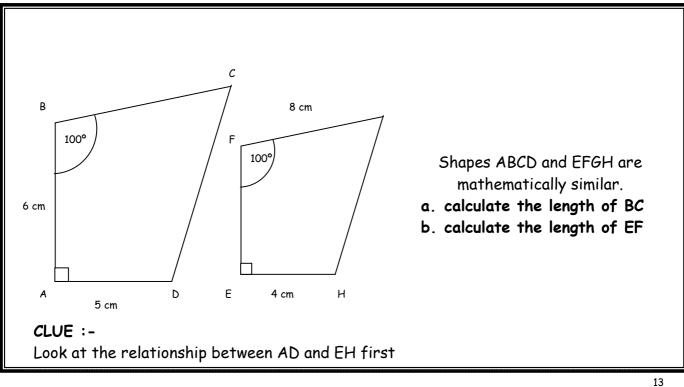


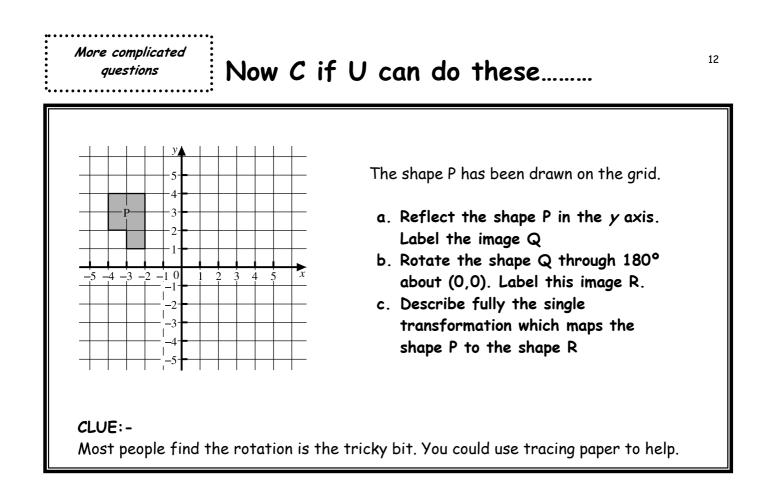
Assess how well you think you understand this topic before you start. Are you confident, close or clueless?	<b>C</b> onfident	Close	<b>C</b> lueless	At the end of the section, think
Know and use the vocabulary associated with circles				about your self assessment. Were you right?
Calculate the circumference of a circle given either the length of the radius or the diameter				
Calculate the area of a circle given either the length of the radius or the diameter				
Solve problems involving the circumference and area of a circle				
Know and use angles associated with circles				

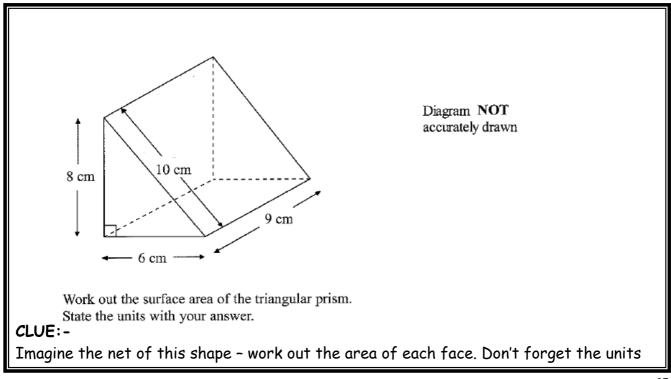


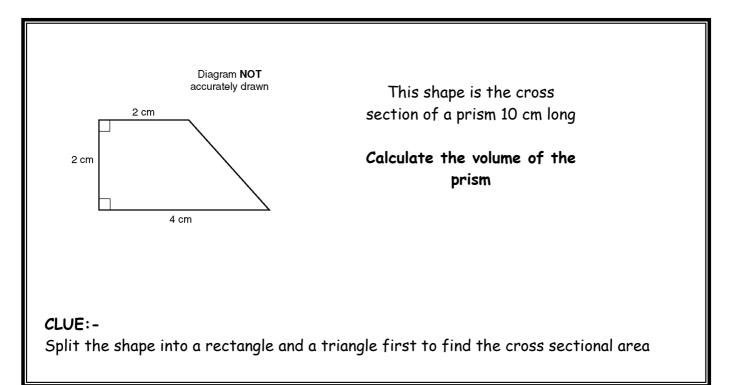


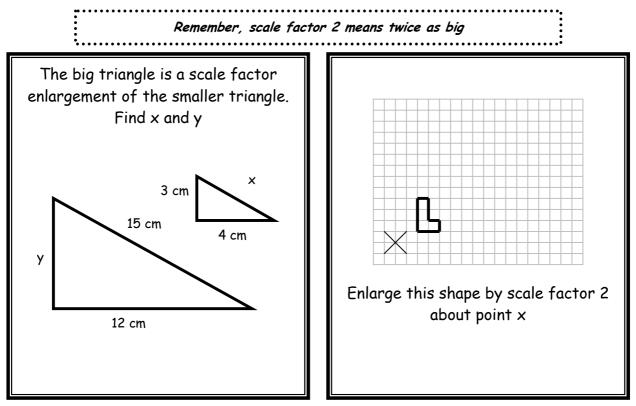


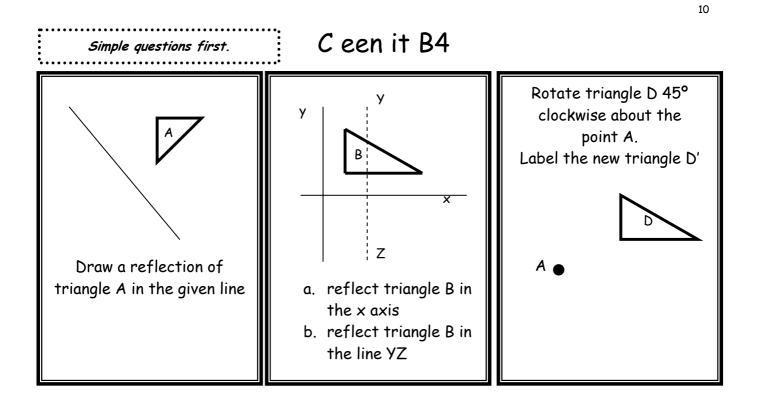


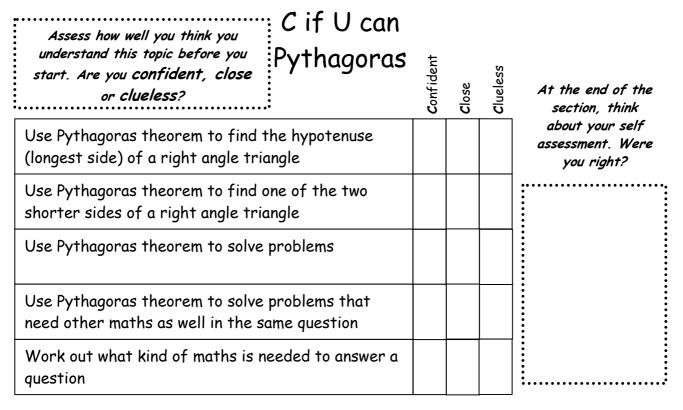


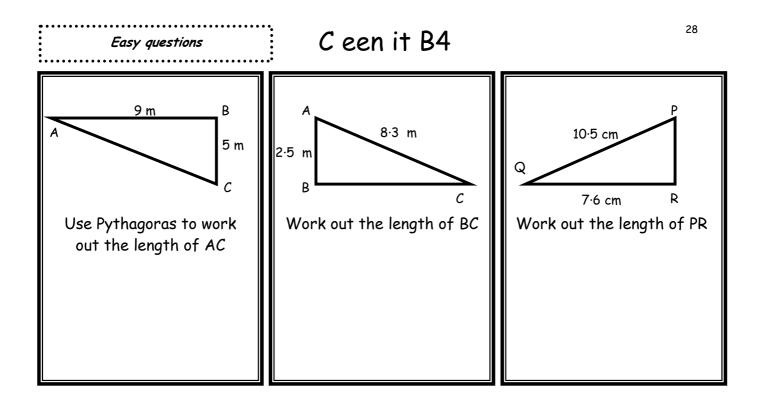


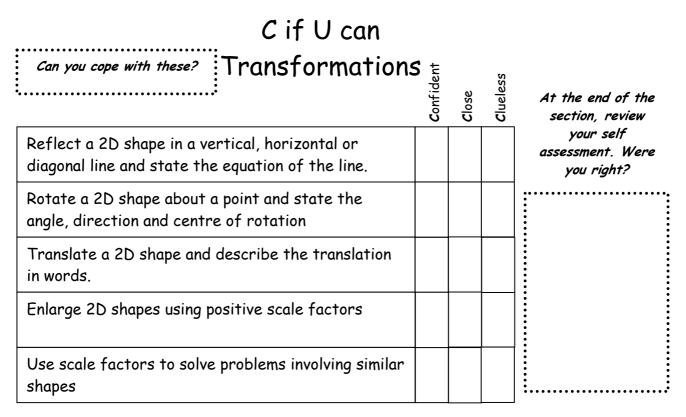


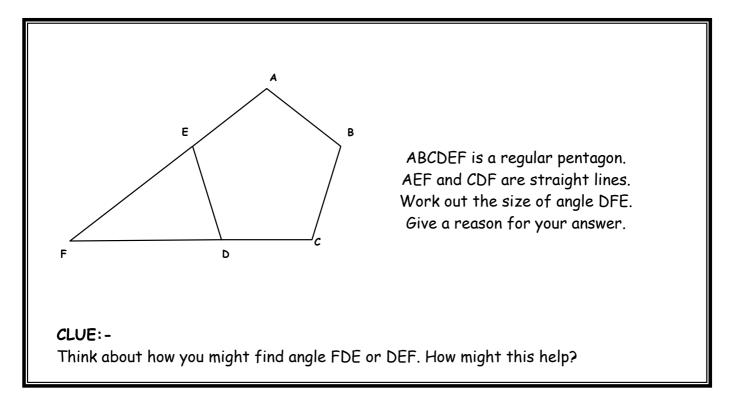


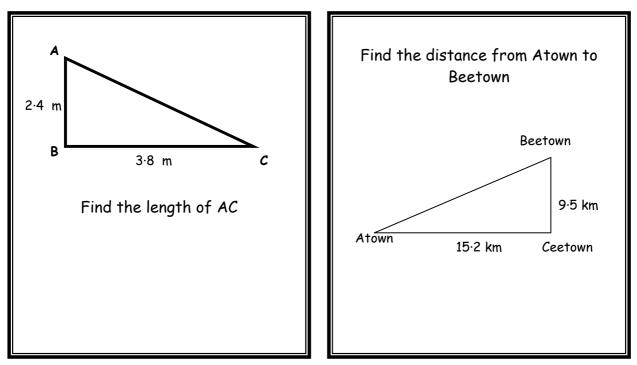


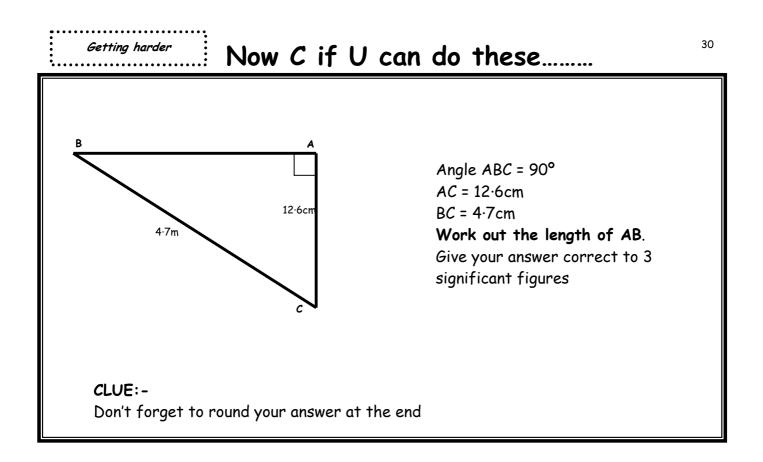


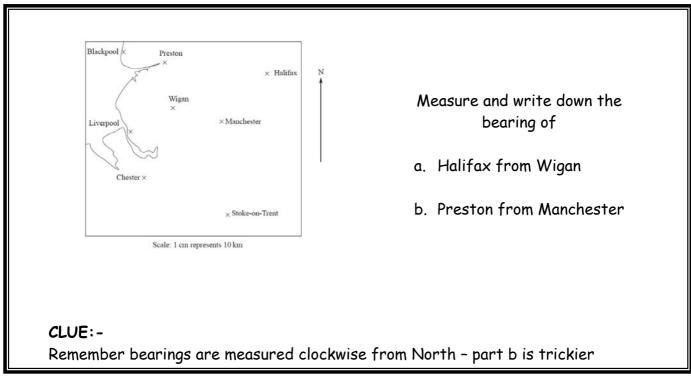


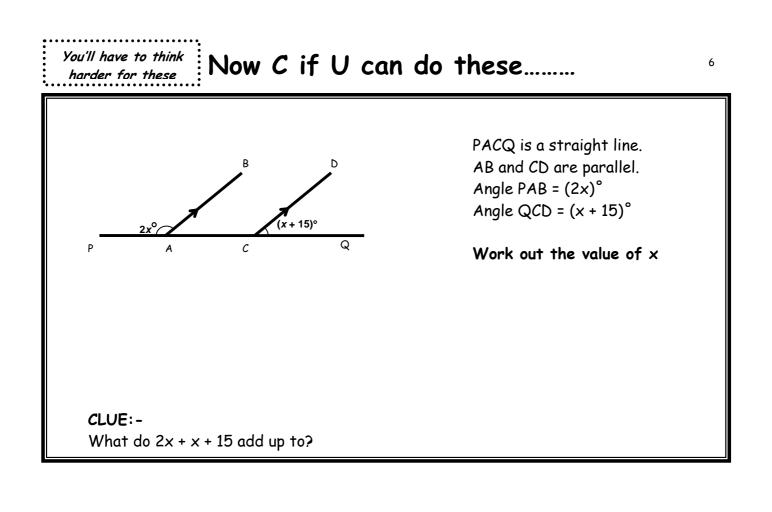


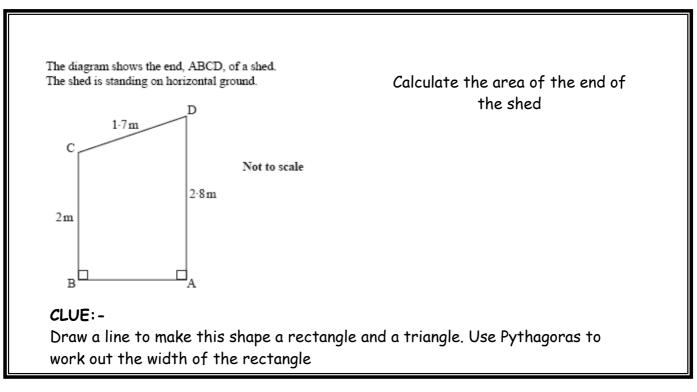


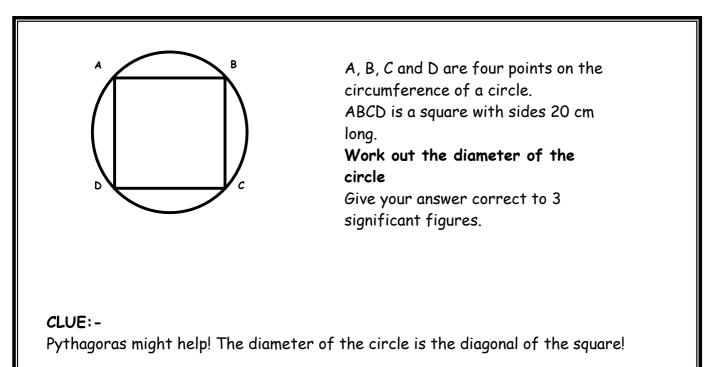


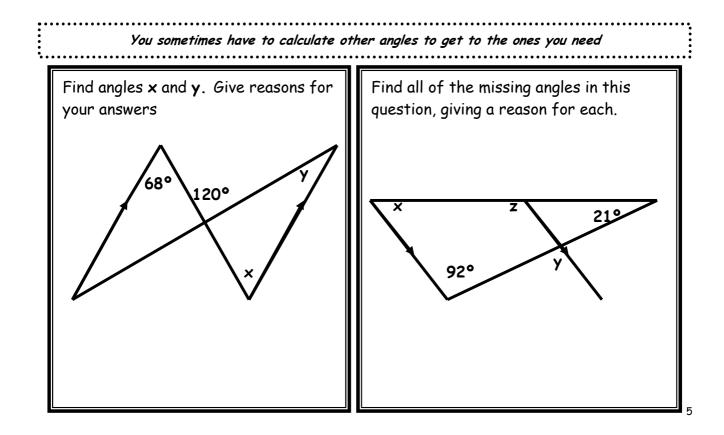


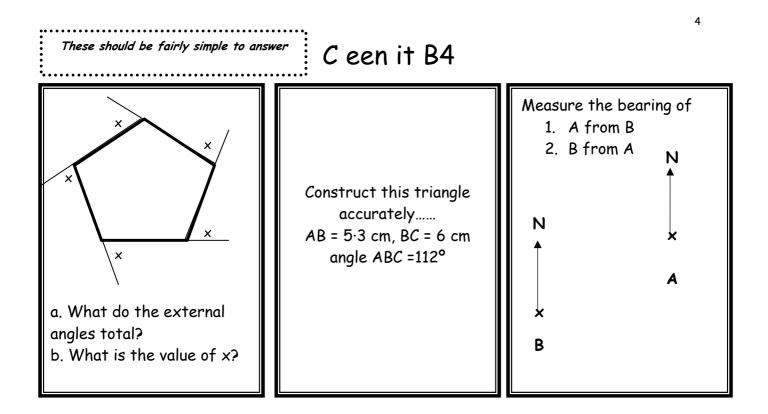












Assess how well you think you understand this topic before you start. Are you confident, close or clueless?	<b>C</b> onfident	<b>C</b> lose	<b>C</b> lueless	At the end of the section, think
Work out angles involving parallel lines, around a point, on a straight line and inside circles				about your self assessment. Were you right?
Work out angles in polygons (shapes with straight edges)				
Draw and measure bearings accurately				
Construct 2D shapes, perpendicular bisectors (at right angles) and angle bisectors (cut in two)				
Construct scale drawings				