

**Check out**

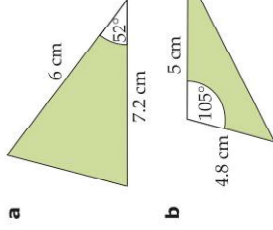
You should now be able to ...

✓ Use a protractor to draw acute and obtuse angles.	5	1
✓ Construct a triangle given two angles and the side between them (ASA).	5	2
✓ Use a ruler and compasses to construct the perpendicular bisector of a line.	6	3, 4
✓ Use a ruler and compasses to bisect an angle.	6	5
✓ Construct a triangle given two sides and the angle between them (SAS).	5	6
✓ Construct a triangle given three sides (SSS).	5	7
✓ Use bearings to specify a direction.	6	8

**Test it**

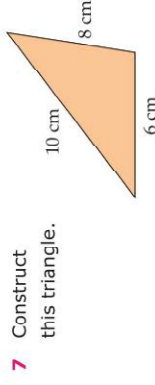
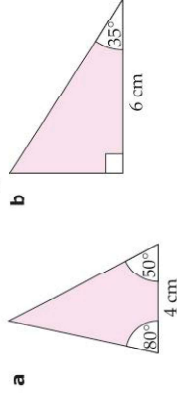
Questions

6 Construct these triangles.



1 Use a ruler and protractor to draw these angles.  
 a 55°    b 145°  
 c 170°    d 225°

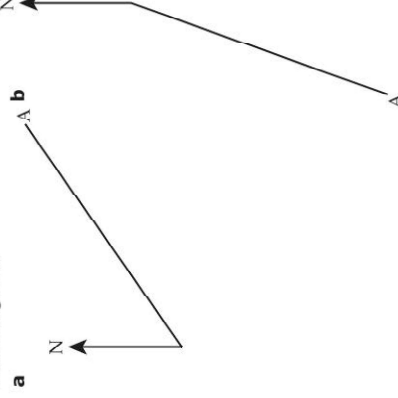
2 Construct these triangles.



7 Construct this triangle.

3 a Draw a horizontal line 9 cm long, label it AB.  
 b Draw a line perpendicular to AB.

8 What is the bearing of A from North in each diagram?



4 a Draw a vertical line 6 cm long.  
 b Construct the perpendicular bisector.

5 a Use your protractor to draw an angle of 66°.  
 b Use a pair of compasses to construct the angle bisector.

**What next?**

0 - 3	Your knowledge of this topic is still developing. To improve look at Formative test: 3A-12; MyMaths: 1081, 1086, 1089 and 1090
4 - 6	You are gaining a secure knowledge of this topic. To improve look at InvisiPen: 371, 373 and 374
7 - 8	You have mastered this topic. Well done, you are ready to progress!

**Score**



**Language Meaning**

**Example**

<b>Bearing</b>	A bearing is a clockwise measure of turn from north using three digits.	
<b>Bisector</b>	A bisector is a line that divides an angle or another line in half.	
<b>Perpendicular</b>	Two lines are perpendicular if they meet at right-angles (90°).	