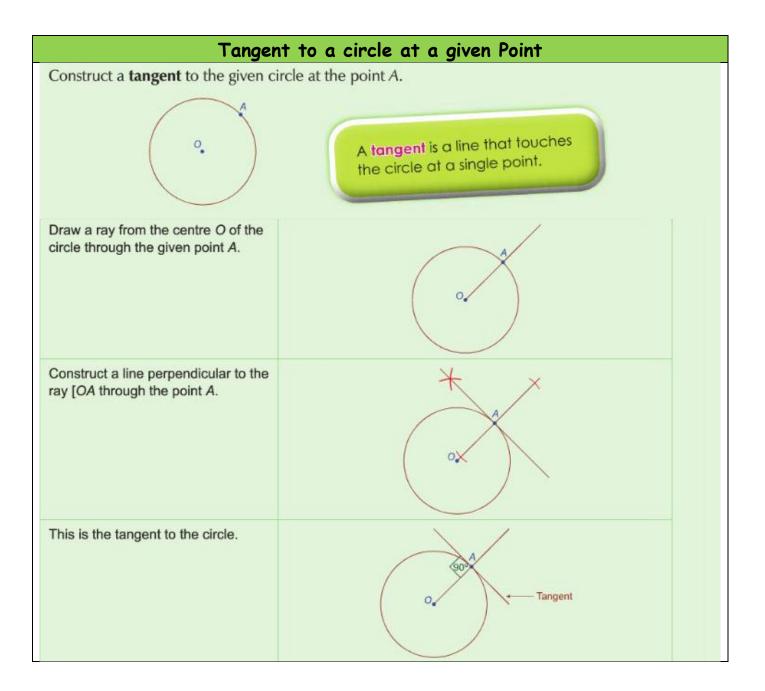
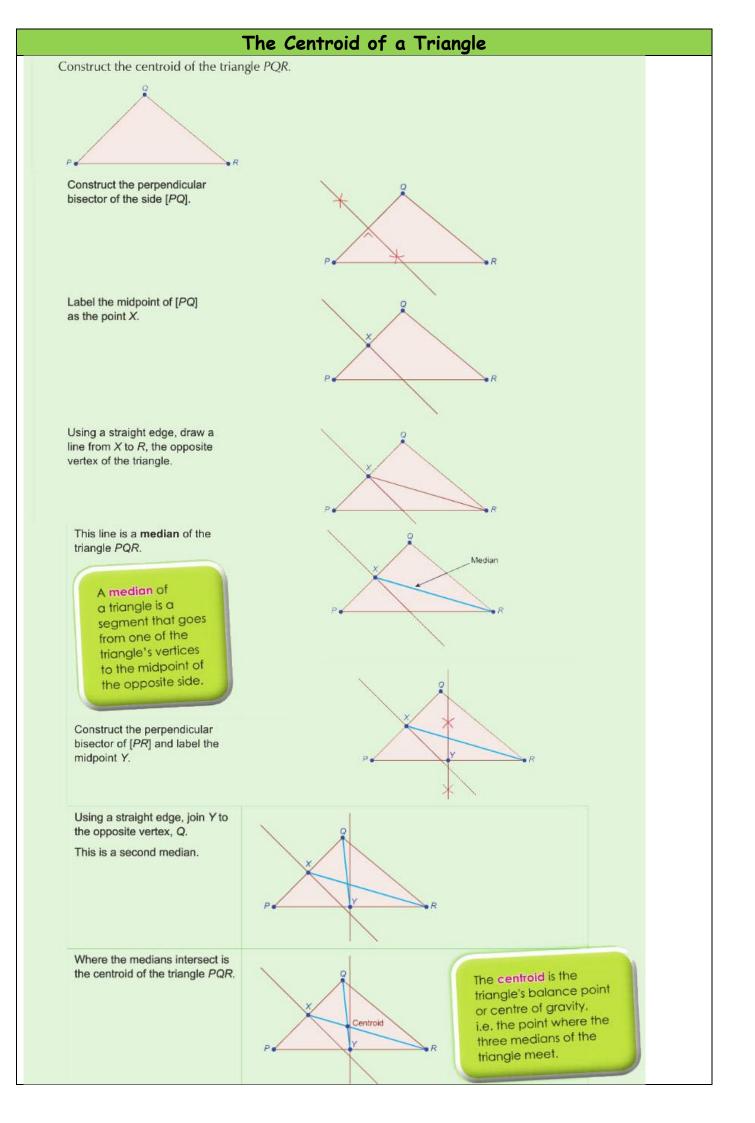
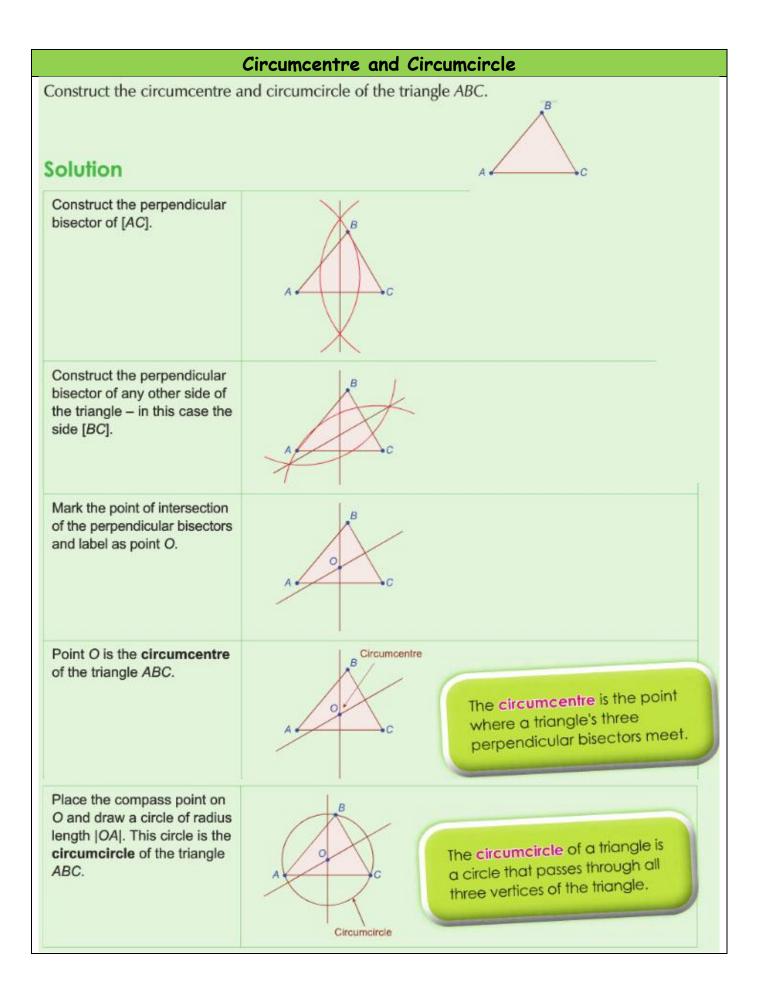
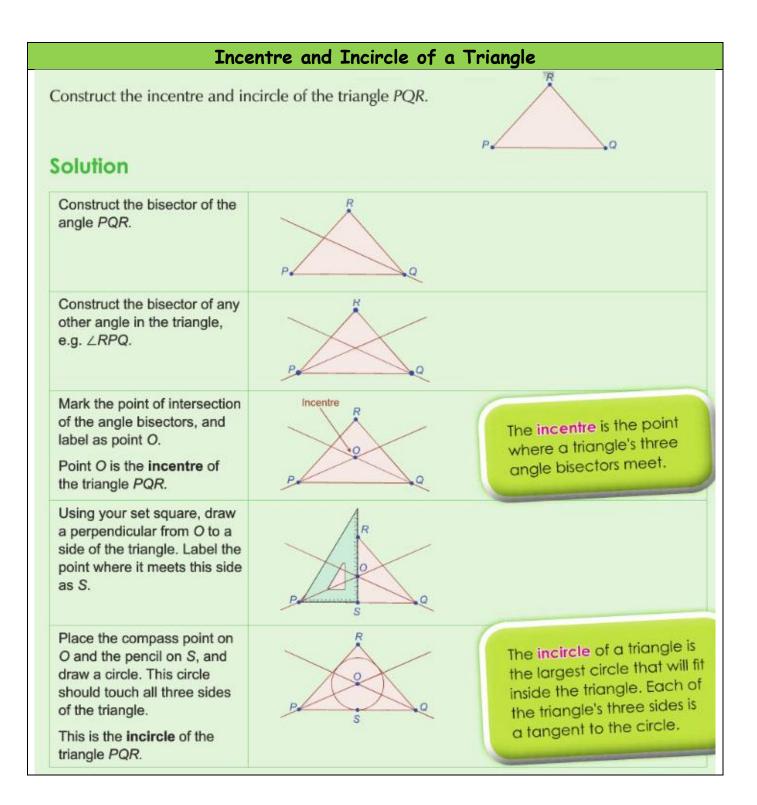
Construct an angle of 60 degrees with a protractor		
Construct an angle of 60° wit Solution	hout using a protractor or a set square.	
Draw a line segment [AB].	A•B	
Place the compass point at <i>A</i> , and draw an arc of radius length   <i>AB</i>  .	B	
Place the compass point at <i>B</i> , and draw an arc of radius length   <i>AB</i>  .		
Mark the point of intersection of the arcs and label as point <i>C</i> .		









## Parallelogram of given side lengths and given Angle

Construct a parallelogram ABCD where |AB| = 7 cm, |BC| = 4 cm and  $|\angle ABC| = 60^{\circ}$ .

## Solution

Draw a rough sketch of the parallelogram.	A 7 cm B
Construct the line segment $[AB]$ where $ AB  = 7$ cm.	A 7 cm B
At point <i>B</i> , construct an angle of 60°, using the line segment [ <i>AB</i> ] as one arm of the angle.	
Use your protractor for this angle.	A 7 cm B
Mark the point C on this angle such that $ BC  = 4$ cm.	Je-
Use your compass (or ruler) for this measurement.	4 cm
	A 7 cm B
At point <i>A</i> , construct a ray parallel to <i>BC</i> .	K
Use your protractor to measure the correct angle.	60° 120° A 7 cm B
Mark the point $D$ on this ray such that $ AD  = 4$ cm.	Je Je
Use your compass (or ruler) for this measurement.	$4 \text{ cm}$ $60^{\circ} 120^{\circ}$ $7 \text{ cm}$ $B$
Using a ruler, join C to D.	jo je
Label all given measurements.	7 cm 4 cm 60° 120° 60°