

**Angles:**

Objective	Sparx Task	
Apply the sum of angles at a point, on a straight line and in a triangle to find missing angles	M163, M351, M818	
Construct quadrilaterals on squared paper to discover properties	M276	
Apply properties of quadrilaterals to find missing angles	M679	
Find missing vertex on a coordinate grid for any quadrilateral	U889	
Recap missing angles in triangles with focus on reasoning	M351	
Use alternate, co-interior and corresponding angles to find missing angles on parallel lines	M606	
Interior angles of regular and irregular polygons	M653	
Exterior angles of regular and irregular polygons	M653	
Find the number of sides of a polygon using interior and exterior angles	M653	
Investigation into Pythagoras' theorem	M677	
Find missing sides using Pythagoras' theorem	M677	
Use the sine ratio to work out an unknown side in a right angle triangle	U283, U605	
Use the cosine ratio to work out unknown sides in a right angle triangle	U283, U605	
Use the tan ratio	U283, U605	
Use the trig ratios to find missing angles	U545	

Use trigonometry to solve problems	U283, U545	
Decide whether a problem can be solved using trig or Pythagoras		