

Area and Volume:

Objective	Sparx Task	
Find a perpendicular height of parallelogram		
Find area of a parallelogram	M291	
Base and height of a triangle		
Area of a triangle	M610	
What is a trapezium		
Height of a trapezium		
Area of a trapezium	M705	
Area of a trapezium practice	M705	
Trapezium area problems	M705	
Find missing lengths of a shape when given the area	M303	
Compound area	M269 M996	
Circumference of a circle including in terms of pi	M169	
Area of a circle	M231	
Find the area of compound shapes including circles	M269	
Find radius or diameter when given the circumference or area		
Surface area of simple shapes (prisms) using the formulae for triangles and rectangles	M661	
Volume of a cube or cuboid	M765	
Volume of prisms including cylinders	M697 M722	
Change between units of volume	M465	
Convert between metric measures for area and volume	M465	
Find missing lengths in right angled triangles using Pythagoras' theorem	M677	
Apply Pythagoras' theorem to prove whether a triangle is right angled or not	M677	
Identify faces, edges, vertices and draw the net of 3D shapes	M518	
Draw 2D plan side and front elevations from 3D objects	M229	

Draw 3D solids on isometric paper		
Use nets to calculate surface area of prisms	M518	
Identify the properties of a prism and find the volume of right prisms		
Calculate area and missing lengths from the volume		
Name different parts of a circle	M595	
Calculate the circumference of a circle	M169	
Calculate radius of diameter when you know the circumference		
Find the area of a circle	M231	
Find the diameter when you know the area		
Calculate the volume of a cylinder	M697	
Calculate the surface area of a cylinder	M936	
Pythagoras' theorem	M677	
Further investigations with Pythagoras		