Geometric Skills	
Торіс	Description
Determine the gradient of a straight line given 2 points	• Use the gradient formula m = $\frac{y_2 - y_1}{x_2 - x_1}$
Calculate the volume of a standard solid	 Calculate the volume of a cone, a sphere and a pyramid.
Similarity	 Using the inter relationship between scalar lengths and area & volume of mathematically similar shapes
Circle Geometry	 Calculating the length of an arc Calculating the area of a sector
Applying Pythagoras' Theorem	 Using Pythagoras' Theorem in complex situations, including converse and 3D
Applying properties of shapes to calculate an angle using at least 2 steps	 Shapes used may be quadrilaterals, polygons, circles and triangles Relationship in a circle between the centre, chord and perpendicular bisector
Working with 2D and 3D vectors	 Adding or subtracting 2D vectors using directed line segments Determine the coordinates of a point from a diagram showing a 3D object.
Using vector components	 Adding or subtracting 2 or 3 dimensional vectors using components
Calculating the magnitude of a vector	Magnitude of a 2 or 3 dimensional vector