

GCSE UNIT SUMMARY: UNIT 8: Perimeter, area and volume

Unit Description	Taught	Revision Priority
Indicate given values on a scale, including decimal value;		
Know that measurements using real numbers depend upon the choice of unit;		
Convert between units of measure within one system, including time and metric units to metric units of length, area and volume and capacity e.g. 1ml = 1cm ³ ;		
Make sensible estimates of a range of measures in everyday settings;		
Measure shapes to find perimeters and areas using a range of scales;		
Find the perimeter of rectangles and triangles; parallelograms and trapezia; compound shapes;		
Recall and use the formulae for the area of a triangle and rectangle;		
Find the area of a trapezium and recall the formula;		
Find the area of a parallelogram;		
Calculate areas and perimeters of compound shapes made from triangles and rectangles;		
Estimate surface areas by rounding measurements to 1 significant figure;		
Find the surface area of a prism;		
Find surface area using rectangles and triangles;		
Identify and name common solids: cube, cuboid, cylinder, prism, pyramid, sphere and cone;		
Sketch nets of cuboids and prisms;		
Recall and use the formula for the volume of a cuboid;		
Find the volume of a prism, including a triangular prism, cube and cuboid;		
Calculate volumes of right prisms and shapes made from cubes and cuboids;		
Estimate volumes etc by rounding measurements to 1 significant figure;		