

Year 7		
Summer Term Year 7	vle.mathswatch.co.uk	www.kerboodle.co.uk
Unit 9 Angles, Parallel Lines and Triangles (Chapter 8)	Mathswatch clips	Textbook reference Book 1B/1C
Describe a point, a line, a line segment, a ray and a plane		Ex 8.1
Identify different types of angles	G10a, b, c	Ex 8.2
Recognise the properties of vertically opposite angles, angles on a straight line and angles at a point	G18	Ex 8.2
Recognise the properties of angles formed by parallel lines and transversals	G18	Ex 8.3
Find unknown marked angles in a diagram using the above properties	G18	Ex 8.3
Classify triangles based on their sides and angles	G16	Ex 8.4
Understand the general properties of sides and angles of a triangle	G23, G16	Ex 8.4
Unit 10 Transformations, Symmetry and Congruence (Chapter 9)		
Translate, rotate and reflect 2D shapes	G4 a, b G6	Ex 9.1
Describe translations in vector form	G5	Ex 9.1
Combine transformations		Ex 9.1
Recognise and describe reflection symmetry of 2D shapes	G4a, G4b	Ex 9.2
Recognise and describe rotation symmetry of 2D shapes	G7	Ex 9.2
Understand the idea of congruence	G31	Ex 9.3
Match the sides and angles of two congruent shapes	G31	Ex 9.3
Unit 11 Perimeter and Area of Triangles and Circles (Chapter 10)		
Find the perimeter and area of a triangle	G8b, G20c	Ex 10.1
Find the circumference and area of a circle	G22a, G22b	Ex 10.2
Find the perimeter and area of a semicircle and a quarter of a circle	G20c, G22b	Ex 10.3
Find a length given the perimeter or area of a shape	G24	Ex 10.4
Solve problems involving perimeters and areas of composite plan figures formed by rectangles, squares, triangles and circles	G24	Ex 10.4 and Revision exercise 10
Unit 12 Volume and Surface Area of Cuboids, including Cubes (Chapter 11)		
Draw nets of cuboids including cubes	G12c	Ex 11.1
Calculate the surface area of cuboids, including cubes	G21b	Ex 11.2
Calculate the volume of cuboids including cubes	G21a	Ex 11.3
Solve problems involving volume and surface area of cuboids, including cubes		Revision exercise 11

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