







SUMMER TERM DISCOVERING MATHS 7B 2020-21

TUES 20TH APRIL

Summer term / Week 1	Chapter 8 Angles, Parallel Lines and Triangles			<ul style="list-style-type: none">  Chapter 8 introduction video  Chapter 8 online skills test  Chapter 8 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 8 <ul style="list-style-type: none">  Fully-worked solutions: Chapter 8 in Workbook 1B, and Graded Question Bank 1 	
	8.1 Points, Lines and Planes	<ul style="list-style-type: none"> • Describe a point, a line, a line segment, a ray and a plane • Construct lines, line segments and angles using geometry software 	DF2 RM5 SP1-4 N12 G3, 5, 13	Workbook 1B Section 8.1	
	8.2 Angles	<ul style="list-style-type: none"> • Identify different types of angles • Recognise the properties of vertically opposite angles, angles on a straight line and angles at a point 	DF2 RM5 SP1-4 N2, 12 G3, 5, 10, 13, 16	Workbook 1B Section 8.2  Try It! video 4	1081, 1847, 1989, 1990, 1082


204-218

MON 26TH APRIL

Summer term / Week 2	8.3 Parallel Lines and Transversals	<ul style="list-style-type: none"> • Recognise the properties of angles formed by parallel lines and transversals • Find unknown marked angles in a diagram using the above properties 	DF2 RM5 SP1-4 N12 G5, 11, 13, 16	Workbook 1B Section 8.3  Try It! videos 10, 11	1102
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218-226

TUES 4TH MAY

Summer term / Week 3	8.4 Triangles	<ul style="list-style-type: none"> • Classify triangles based on their sides and angles • Understand the general properties of sides and angles of a triangle 	DF2, 7 RM5 SP1-4 N2, 12 G6, 7, 12, 13, 16	Workbook 1B Section 8.4  Try It! videos 14, 17	1130, 1082
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226-236

MON 10TH MAY

Summer term / Week 4	Chapter 9 Transformations, Symmetry and Congruence			<ul style="list-style-type: none">  Chapter 9 introduction video  Chapter 9 online skills test  Chapter 9 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 9 <ul style="list-style-type: none">  Fully-worked solutions: Chapter 9 in Workbook 1B, and Graded Question Bank 1 	
	9.1 Transformations	<ul style="list-style-type: none"> • Translate 2D shapes • Reflect 2D shapes • Rotate 2D shapes 	DF2 RM5 SP1-4 N12 G8	Workbook 1B Section 9.1  Try It! videos 1, 3, 4	1843, 1127, 1113, 1115, 1839







242-252

MON 17TH MAY

Summer term / Week 5	9.2 Symmetry	<ul style="list-style-type: none"> • Recognise and describe reflection symmetry of 2D shapes • Recognise and describe rotation symmetry of 2D shapes 	DF2, 7 RM5 SP1-4 N12 G5	Workbook 1B Section 9.2	1230, 1114, 1116
	9.3 Congruence	<ul style="list-style-type: none"> • Understand the idea of congruence • Match the sides and angles of two congruent shapes 	DF2 RM5 SP1-4 N12 G9	Workbook 1B Section 9.3  Try It! videos 8, 9	1148

252-267



MON 24TH MAY

Summer term / Week 6	Chapter 10 Perimeter and Area of Triangles and Circles			<ul style="list-style-type: none">  Chapter 10 introduction video  Chapter 10 online skills test  Chapter 10 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 10  Fully-worked solutions: Chapter 10 in Workbook 1B, and Graded Question Bank 1 	
	10.1 Perimeter and Area of a triangle	<ul style="list-style-type: none"> • Find the perimeter and area of a triangle 	DF2 RM5 SP1–4 N12 G1, 16	Workbook 1B Section 10.1  Try It! video 3	1110, 1129
	10.2 Circumference of a Circle	<ul style="list-style-type: none"> • Find the circumference of a circle • Find the perimeter of a semicircle and a quarter 	DF2 RM5 SP1–4 N12, 13, 15 G2, 7, 16	Workbook 1B Section 10.2  Try It! video 6	1088

272-282





SAT 29TH MAY-SUN 6TH JUNE HALF TERM

MON 7TH JUNE

Summer term / Week 7	10.3 Area of a Circle	<ul style="list-style-type: none"> • Find the area of a circle • Find the area of a semicircle and a quarter 	DF2 RM5 SP1–4 N12, 13, 15 G2, 7, 16	Workbook 1B Section 10.3  Try It! video 8	1083
	10.4 Perimeter and Area Problems	<ul style="list-style-type: none"> • Find a length given the perimeter or area of a shape • Solve problems involving perimeters and areas of composite plane figures formed by rectangles, squares, triangles and circles 	DF2 RM5 SP1–4 N12, 13, 15 G2, 16	Workbook 1B Section 10.4  Try It! videos 10, 14	1129, 1088, 1083



282-290

MON 14TH JUNE

Summer term / Week 8	Chapter 11 Volume and Surface Area of Cuboids, including Cubes			<ul style="list-style-type: none">  Chapter 11 introduction video  Chapter 11 online skills test  Chapter 11 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 11  Fully-worked solutions: Chapter 11 in Workbook 1B and Graded Question Bank 1 	
	11.1 Nets of Cuboids, including Cubes	<ul style="list-style-type: none"> • Draw nets of cuboids, including cubes 	DF2, 7 RM5 SP1–4 N12 G15	Workbook 1B Section 11.1	1106, 1107





295-298

MON 21ST JUNE

Summer term / Week 9	11.2 Surface Area of Cuboids, including Cubes	<ul style="list-style-type: none"> • Calculate the surface area of cuboids, including cubes 	DF2, 7 RM5 SP1–4 N12 G15, 16	Workbook 1B Section 11.2  Try It! video 4	1107
	11.3 Volume of Cuboids, including Cubes	<ul style="list-style-type: none"> • Calculate the volume of cuboids, including cubes • Solve problems involving volume and surface area of cuboids, including cubes 	DF2, 7 RM5 SP1–4 N12 G1, 16	Workbook 1B Section 11.3  Try It! video 9	1137



298-306

MON 28TH JUNE

Summer term / Week 10	Chapter 12 Collecting, Organising and Displaying Data			<ul style="list-style-type: none">  Chapter 12 introduction video  Chapter 12 online skills test  Chapter 12 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 12 <ul style="list-style-type: none">  Fully-worked solutions: Chapter 12 in Workbook 1B, and Graded Question Bank 1 	
	12.1 Collection of Data	<ul style="list-style-type: none"> • Recognise different methods of collecting data 	DF2, 7 RM5 SP1-4 N12	Workbook 1B Section 12.1	1248, 1249

310-314

MON 5TH JULY

Summer term / Week 11	12.2 Organisation of Data	<ul style="list-style-type: none"> • Organise data • Create frequency tables 	DF2, 7 SP1-4 N2, 10, 12 S1, 2	Workbook 1B Section 12.2  Try It! video 3	1385, 1235, 1193
	12.3 Pictograms, Vertical Line Charts and Bar Charts	<ul style="list-style-type: none"> • Construct, analyse and interpret pictograms, vertical line charts, bar charts and compound bar charts 	DF2, 7 SP1-4 N10, 12 S1, 2	Workbook 1B Section 12.3  Try It! videos 6, 8	1193, 1205

314-331

MON 12TH JULY

Summer term / Week 12	Review and assessment: Integrated Examples and Review Exercise 3 Problems in Real-world Contexts	Int Ex & Rev Ex 3 DF2, 7 RM5 SP1-4 N10, 12, 13, 15 R3, 8 G1, 2, 3, 5, 7, 10, 11, 12, 15 S1, 2 Probs in Real-world Contexts DF2, 7 RM5 SP1-4 N10, 12, 13 R1, 8 G1, 2, 7, 15 S1	Workbook 1B Review 3	
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334-346

MON 19TH JULY

SAT 24TH JULY SUMMER HOLIDAYS