SPRING TERM DISCOVERING MATHS 7C 2020-21121-126

TUES 5TH JAN

Spring term / Week 2	5.3 Addition and Subtraction of Fractions and Mixed Numbers	• Perform the four operations on fractions and on mixed numbers • Apply fractions in practical situations	DF1, 2, 5, 7 RM1, 5 SP1–4 N4, 12 R3	Ⓚ Try It! videos 10, 12	1017, 1074

121-126

MON 11TH JAN

Spring term / Week 3	5.4 Multiplication of Fractions	• Calculate fractions of quantities • Perform the four operations on fractions and on mixed numbers • Apply fractions in practical situations	DF1, 2, 5, 7 RM1, 5 SP1–4 N4, 5, 11, 12 R3	Ⓚ Try It! video 16	1841, 1046, 1768, 1047, 1769, 1074
	5.5 Division of Fractions and Mixed Numbers	• Find the reciprocal of a number • Perform the four operations on fractions and on mixed numbers • Calculate fractions of quantities • Apply fractions in practical situations	DF1, 2, 5, 7 RM1, 5 SP1–4 N4, 5, 11, 12 R3	Ⓚ Try It! video 19	1046, 1040, 1074

126-134

MON 18TH JAN

Spring term / Week 4	5.6 Rational Numbers and Using a Calculator	• Identify fractions as rational numbers	DF1, 2, 7 RM1, 5 SP1–4 N12, 15, 16		1933

134-135

MON 25TH JAN

Spring term / Week 5	**Chapter 6 Decimals**			Ⓚ Chapter 6 introduction video Ⓚ Chapter 6 online skills test Ⓚ Chapter 6 end-of-chapter test and mark scheme Workbook 1C Chapter 6 Graded Question Bank 1, Chapter 6 Ⓚ Fully-worked solutions: Chapter 6 in Workbook 1C and Graded Question Bank 1	
	6.1 Place Values, Ordering and Rounding of Decimal Numbers	• Interpret decimals and write decimals in order of size • Round decimals to the nearest integer	DF1, 2, 5, 7 RM1, 5 SP1–4 N1, 2, 12, 13		1076, 1072, 1004

140-145

MON 1ST FEB

Spring term / Week 6	6.2 Addition and Subtraction of Decimals	• Use the four operations with decimals	DF1, 2, 7 RM1, 5 SP1–4 N4, 12	Ⓚ Try It! video 7	1380, 1381, 1007

145-147

MON 8TH FEB

Spring term / Week 7	6.3 Multiplication of Decimals	• Use the four operations with decimals	DF1, 2, 7 RM1, 5 SP1–4 N4, 12, 15	Ⓚ Try It! video 9	1011, 1382

147-150

SAT 13TH FEB-SUN 21ST FEB HALF TERM

MON 22ND FEB

Spring term / Week 8	6.4 Division of a Decimal by a Whole Number	• Use the four operations with decimals	DF1, 2, 7 RM1, 5 SP1–4 N4, 12		1008
	6.5 Mental Calculation and Conversion between Units	• Convert between units of measure	DF1, 2, 7 RM1, 5 SP1–4 N12 R1	Try It! video 13	1013, 1091

150-158

MON 1ST MARCH

Spring term / Week 9	6.6 Division of a Decimal by a Decimal	• Use the four operations with decimals • Solve real-life problems using decimals	DF1, 2, 7 RM1, 5 SP1–4 N4, 12	Try It! video 21	1923
	6.7 Rational Numbers and Real Numbers	• Convert between decimals and fractions • Identify recurring decimals and real numbers • Solve real-life problems using decimals	DF1, 2, 5, 7 RM1, 5 SP1–4 N9, 12, 15, 16	Try It! video 24	1773, 1016, 1063

158-164

MON 8TH MARCH

Spring term / Week 10	**Chapter 7 Percentages**			Chapter 7 introduction video Chapter 7 online skills test Chapter 7 end-of-chapter test and mark scheme Workbook 1C Chapter 7 Graded Question Bank 1, Chapter 7 Fully-worked solutions: Chapter 7 in Workbook 1C, and Graded Question Bank 1	
	7.1 Meaning of Percentage	• Define percentage as 'number of parts per hundred' • Interpret a percentage as a fraction or a decimal • Convert a fraction or a decimal to a percentage • Recognise percentages greater than 100% • Compare two quantities using percentages • Express one quantity as a percentage of another	DF1, 2, 5, 7 RM1, 5 SP1–4 N3, 10, 12	Try It! video 1	1030, 1962, 1963, 1029, 1015

169-174

MON 15TH MARCH

Spring term / Week 11	7.2 Percentage of a Quantity	• Find a percentage of a quantity using multiplication	DF2, 5, 7 RM1, 5 SP1–4 N10, 11, 12	Try It! videos 8, 10, 11	1030, 1031, 1962, 1963
	7.3 Reducing and Increasing a Quantity by a Percentage	• Reduce or increase a quantity by a percentage	DF2, 5, 7 RM1, 5 SP1–4 N10, 11, 12 R8	Try It! videos 16, 19	1060, 1073, 1302

174-186

MON 22ND MARCH

Spring term / Week 12	**Review and assessment:** Review Exercise 2 Problem-solving Processes and Heuristics	**Rev Ex 2** DF1, 2, 5, 7 RM1, 5 SP1–4 N1, 2, 4, 5, 9, 10, 11, 12 A2, 5 R1, 3, 8 **PS Processes & Heuristics** DF2, 3, 4, 5, 7 RM1, 3, 5, 6 SP1–4 N3, 5, 12, 15 A1, 2, 3, 6, 7, 10	Workbook 1C Review 2	

189-200

MON 29TH MARCH

FRI 2ND APRIL-MON 19TH APRIL   EASTER HOLS