

**AUTUMN TERM DISCOVERY MATHS 2A YEAR 8 Kerboodle book 2A**

**MON 7<sup>TH</sup> SEPT**

Autumn term / Week 1	<b>Chapter 1 Integers</b>			Workbook 2A Chapter 1 📺 Chapter 1 introduction video 📺 Chapter 1 online skills test 📺 Chapter 1 end of chapter test and mark scheme 📺 Fully-worked solutions: Chapter 1 in Workbook 2A	<b>Pages</b>  <b>5-10</b>  <b>11-14</b>
	1.1 Place Values	<ul style="list-style-type: none"> <li>Read and write positive and negative integers</li> </ul>	DF7a RM1a SP1-4 N1, 4a	Workbook 2A Section 1.1	
	1.2 Integers	<ul style="list-style-type: none"> <li>Read and write positive and negative integers</li> <li>Use integers in real-world applications</li> </ul>	DF7a RM1a SP1-4 N1, 4a	Workbook 2A Section 1.2 📺 Try It! video 8	

**MON 14<sup>TH</sup> SEPT**

Autumn term / Week 2	1.3 Number Lines	<ul style="list-style-type: none"> <li>Use number lines with different scales to present and compare positive and negative integers</li> <li>Use the inequality symbols <math>&lt;</math>, <math>&gt;</math>, <math>\leq</math> and <math>\geq</math> to compare integers</li> </ul>	DF7a RM1a SP1-4 N2a, 2b, 2c, 4a	Workbook 2A Section 1.3 📺 Try It! videos 12, 14	<b>Pages</b> <b>15-20</b>          <b>29-39</b>
	<b>Chapter 2 The Four Operations on Integers</b>			Workbook 2A Chapter 2 📺 Chapter 2 introduction video 📺 Chapter 2 online skills test 📺 Chapter 2 end of chapter test and mark scheme 📺 Fully-worked solutions: Chapter 2 in Workbook 2A	
	2.1 Addition and Subtraction of Integers	<ul style="list-style-type: none"> <li>Add and subtract positive and negative integers</li> </ul>	DF7a SP1-4 N4a, 6	Workbook 2A Section 2.1 📺 Try It! videos 4, 8, 12	

**MON 21<sup>ST</sup> SEPT**

Autumn term / Week 3	2.2 Multiplication and Division of Integers	<ul style="list-style-type: none"> <li>Multiply and divide positive and negative integers</li> </ul>	DF7a SP1-4 N4a, 6	Workbook 2A Section 2.2 📺 Try It! videos 14, 17	<b>Pages</b> <b>40-46</b>
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**MON 28<sup>TH</sup> SEPT**

Autumn term / Week 4	2.3 Combined Operations on Integers	<ul style="list-style-type: none"> <li>Evaluate expressions using the order of operations</li> </ul>	DF7a SP1-4 N4a, 5a	Workbook 2A Section 2.3 📺 Try It! video 18	<b>Pages</b> <b>47-48</b>  <b>49-55</b>
	2.4 Rounding to Certain Place Values	<ul style="list-style-type: none"> <li>Round numbers to required numbers of significant figures or to the nearest desired place values</li> <li>Estimate the results of calculations</li> </ul>	DF7a RM1a SP1-4 N1, 4a, 13a, 13c, 14a	Workbook 2A Section 2.4 📺 Try It! videos 20, 24	

## MON 5TH OCT

Autumn term / Week 5	2.5 Squares and Square Roots	• Calculate squares and square roots	DF1, 7a RM1a SP1-4 N4a, 7a	Workbook 2A Section 2.5 📺 Try It! video 28	<b>Pages</b> 56-59
	2.6 Cubes and Cube Roots	• Calculate cubes and cube roots	DF1, 7a RM1a SP1-4 N4a, 7a	Workbook 2A Section 2.6 📺 Try It! video 32	
	<b>Chapter 3 Fractions</b>			Workbook 2A Chapter 3 📺 Chapter 3 introduction video 📺 Chapter 3 online skills test 📺 Chapter 3 end of chapter test and mark schem 📺 Fully-worked solutions: Chapter 3 in Workboo	
	3.1 Conversion between Improper Fractions and Mixed Numbers	• Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions	DF1 SP1-4 N4c	Workbook 2A Section 3.1 📺 Try It! videos 1, 3	59-73

## MON 12TH OCT

Autumn term / Week 6	3.2 Comparing Fractions	• Compare and order fractions using inequality symbols $<$ , $>$ , $\leq$ and $\geq$	DF1 SP1-4 N2a, 2c, 4c	Workbook 2A Section 3.2 📺 Try It! video 6	<b>Pages</b> 74-77
	3.3 Addition and Subtraction of Fractions	• Add and subtract fractions	DF1 SP1-4 N4c R3	Workbook 2A Section 3.3 📺 Try It! video 15	

## MON 19<sup>TH</sup> OCT

Autumn term / Week 7	3.4 Multiplication of Fractions	• Multiply fractions	DF1 SP1-4 N4c R3	Workbook 2A Section 3.4 📺 Try It! video 19	<b>Pages</b> 87-90
	3.5 Division of Fractions	• Divide fractions	DF1 SP1-4 N4c R3	Workbook 2A Section 3.5 📺 Try It! video 21	

## HALF TERM FRI 23<sup>RD</sup> OCT – SUN 1<sup>ST</sup> NOV

### MON 2ND NOV

Autumn term / Week 8	3.6 Combined Operations on Fractions	• Add, subtract, multiply and divide fractions	DF1 SP1-4 N4c, 5b R3	Workbook 2A Section 3.6 📺 Try It! video 27	<b>Pages</b> 97-99
	<b>Chapter 4 Decimals</b>			Workbook 2A Chapter 4 📺 Chapter 4 introduction video 📺 Chapter 4 online skills test 📺 Chapter 4 end of chapter test and mark schem 📺 Fully-worked solutions: Chapter 4 in Workboo	
	4.1 Place Values of Decimals	• Identify the place values of digits in decimals	DF1 SP1-4 N1, 4b	Workbook 2A Section 4.1	106-108
	4.2 Conversion between Fractions and Decimals	• Convert between fractions and decimals	DF1, 5 SP1-4 N1, 15	Workbook 2A Section 4.2 📺 Try It! video 6	109-112

### MON 9TH NOV

Autumn term / Week 9	4.3 Comparing Fractions and Decimals	• Compare fractions and decimals	DF1, 5 SP1-4 N2a, 2c, 4b	Workbook 2A Section 4.3 📺 Try It! video 7	<b>Pages</b> 113-115
	4.4 Rounding Decimals	• Round decimals to a given number of decimal places • Round decimals to a given number of significant figures	DF1 SP1-4 N1, 4b, 13b, 13c	Workbook 2A Section 4.4 📺 Try It! videos 10, 12	

**MON 16TH NOV/MON 23RD Nov**

Autumn term / Week 10	4.5 Addition and Subtraction of Decimals	• Add and subtract decimals	DF1, 4c SP1-4 N1, 4b	Workbook 2A Section 4.5 <b>k</b> Try It! video 17	<b>Pages</b> <b>121-124</b>
	4.6 Multiplication of Decimals	• Multiply decimals	DF1, 4c SP1-4 N1, 4b	Workbook 2A Section 4.6 <b>k</b> Try It! video 20	
Autumn term / Week 11	4.7 Division of Decimals	• Divide decimals	DF1, 4c SP1-4 N1, 4b	Workbook 2A Section 4.7 <b>k</b> Try It! video 25	<b>125-129</b> <b>130-135</b>

**MON 30TH NOV**

Autumn term / Week 12	4.8 Combined Operations on Decimals	• Add, subtract, multiply and divide decimals	DF1, 4c SP1-4 N1, 4b	Workbook 2A Section 4.8 <b>k</b> Try It! video 32	<b>Pages</b> <b>136-138</b>
	<b>Review and assessment:</b> Integrated Examples and Review Exercise 1		DF1, 2, 5, 7a SP1-4 N1, 2a, 2b, 2c, 4a R3	Workbook 2A Review 1 <b>k</b> Fully-worked solutions: Review 1 in Workbook	

**MON 7<sup>TH</sup> DEC ASSESSMENT AND GO THROUGH THE TESTS/ START STEM ACTIVITY**

**MON 14TH DEC**

XMAS ACTIVITIES

**SAT 19<sup>TH</sup> DEC-MON 4<sup>TH</sup> JAN XMAS HOLIDAY**