

**AUTUMN TERM DISCOVERING MATHS 1A 2020-21****MON 7<sup>TH</sup> SEPT-FRI 11<sup>TH</sup> SEPT ENTRY TEST AND BASIC TEST****MON 14<sup>TH</sup> SEPT****Kerboodle – Book 1A**

Autumn term / Week 1	<b>Chapter 1 Adding and Subtracting Whole Numbers</b>			<ul style="list-style-type: none"> <li><b>k</b> Chapter 1 introduction video</li> <li><b>k</b> Chapter 1 online skills test</li> <li><b>k</b> Chapter 1 end of chapter test and mark scheme</li> <li><b>k</b> Fully-worked solutions: Chapter 1 in Workbook 1A</li> </ul>	<b>Pages 5-9</b>
	1.1 Place Values and Order of Numbers	<ul style="list-style-type: none"> <li>• State the place values of the digits in whole numbers</li> <li>• Order and compare whole numbers</li> </ul>	DF1, 2, 5, 7 RM1, 5 SP1-4 N1, 2, 12	Workbook 1A Section 1.1 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 1</li> </ul>	

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

Autumn term / Week 2	1.2 Addition	<ul style="list-style-type: none"> <li>• Add whole numbers, using different methods</li> <li>• Use addition to solve real life problems</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N4, 12	Workbook 1A Section 1.2 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 6</li> </ul>	<b>Pages 10-14</b>
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**MON 28<sup>TH</sup> SEPT**

Autumn term / Week 3	1.3 Subtraction	<ul style="list-style-type: none"> <li>• Subtract whole, numbers, using different methods</li> <li>• Use subtraction to solve real-life problems</li> <li>• Recognise and use the inverse relationship between addition and subtraction</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N4, 6, 12	Workbook 1A Section 1.3 <ul style="list-style-type: none"> <li><b>k</b> Try It! videos 7, 9</li> </ul>	<b>Pages 21-20</b>
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**MON 5<sup>TH</sup> OCT**

Autumn term / Week 4	1.4 Efficient Addition and Subtraction by Hand	<ul style="list-style-type: none"> <li>• Add and subtract whole numbers using mental methods, using different methods</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N4, 12	Workbook 1A Section 1.4 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 13</li> </ul>	<b>Pages 21-26</b>
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## MON 12<sup>TH</sup> OCT

Autumn term / Week 5	<b>Chapter 2 Multiplying and Dividing Whole Numbers</b>			<ul style="list-style-type: none"> <li><b>k</b> Chapter 2 introduction video</li> <li><b>k</b> Chapter 2 online skills test</li> <li><b>k</b> Chapter 2 end of chapter test and mark scheme</li> <li><b>k</b> Fully-worked solutions: Chapter 2 in Workbook 1A</li> </ul>	<b>Pages 32-33</b>
	2.1 Multiplication	<ul style="list-style-type: none"> <li>• Multiply whole numbers, using different methods and techniques</li> <li>• Use multiplication to solve real-life problems</li> <li>• Calculate square and cube numbers and write these numbers using indices</li> </ul>	DF1, 2, 5, 7 RM1, 5 SP1-4 N4, 6, 7, 12, 15	Workbook 1A Section 2.1 <ul style="list-style-type: none"> <li><b>k</b> Try It! videos 4, 7</li> </ul>	

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

Autumn term / Week 6	2.2 Division	<ul style="list-style-type: none"> <li>• Divide whole numbers, using different methods and techniques</li> <li>• Recognise the inverse relationship between multiplication and division</li> <li>• Use division to solve real life problems</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N4, 6, 12	Workbook 1A Section 2.2 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 12</li> </ul>	<b>Pages 45-54</b>
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## FRI 23<sup>RD</sup> OCT-SUN 1<sup>ST</sup> NOV HALF TERM

## MON 2<sup>ND</sup> NOV

Autumn term / Week 7	2.3 Multiplying and Dividing Efficiently Without a Calculator	<ul style="list-style-type: none"> <li>• Multiply and divide whole numbers, using different methods and techniques</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N4, 6, 12	Workbook 1A Section 2.3 <ul style="list-style-type: none"> <li><b>k</b> Try It! videos 14, 18</li> </ul>	<b>Pages 55-60</b>
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## MON 9<sup>TH</sup> NOV

Autumn term / Week 8	2.4 Factors, Multiples and Prime Numbers	<ul style="list-style-type: none"> <li>• List factors, common factors and find highest common factors</li> <li>• List multiples, common multiples and find lowest common multiples</li> <li>• List primes and prime factors</li> </ul>	DF2, 7 RM1, 5 SP1-4 N3, 12	Workbook 1A Section 2.4 <ul style="list-style-type: none"> <li><b>k</b> Try It! videos 20, 22, 24</li> </ul>	<b>Pages 61-65</b>
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## MON 16<sup>TH</sup> NOV

Autumn term / Week 9	<b>Chapter 3 Calculation</b>			<ul style="list-style-type: none"> <li><b>k</b> Chapter 3 introduction video</li> <li><b>k</b> Chapter 3 online skills test</li> <li><b>k</b> Chapter 3 end of chapter test and mark scheme</li> <li><b>k</b> Fully-worked solutions: Chapter 3 in Workbook 1A</li> </ul>	<b>Pages 71-74</b>
	3.1 Rounding Numbers	<ul style="list-style-type: none"> <li>• Round numbers to the nearest 10, 100, 1000 or 10000</li> </ul>	DF2, 5, 7 RM1, 5 SP1-4 N2, 12, 13	Workbook 1A Section 3.1 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 2</li> </ul>	
	3.2 Estimation	<ul style="list-style-type: none"> <li>• Estimate answers to calculations</li> </ul>	DF2, 7 RM1, 5 SP1-4 N12, 13, 14	Workbook 1A Section 3.2 <ul style="list-style-type: none"> <li><b>k</b> Try It! video 5</li> </ul>	

**MON 23<sup>RD</sup> NOV**

Autumn term / Week 10	3.3 Order of Operations	• Use the order of operations	DF1, 2, 7 RM1, 5, 6 SP1-4 N4, 5, 7, 12	Workbook 1A Section 3.3 <b>k</b> Try It! videos 8, 12, 14	<b>Pages</b> <b>79-84</b>
	3.4 Using a Calculator	• Use a calculator	DF2, 7 RM1, 5 SP1-4 N4, 5, 7, 12, 13, 14, 15	Workbook 1A Section 3.4	<b>85-88</b>

**MON 30<sup>TH</sup> NOV**

Autumn term / Week 11	<b>Chapter 4 Use of Letters</b>			<b>k</b> Chapter 4 introduction video <b>k</b> Chapter 4 online skills test <b>k</b> Chapter 4 end of chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 4 in Workbook 1A	<b>Pages</b> <b>93-98</b>
	4.1 Using Letters to Represent Numbers	• Use letters to represent numbers	DF2, 3, 5, 7 RM1, 3, 5 SP1-4 N12 A1, 3, 6, 10	Workbook 1A Section 4.1 <b>k</b> Try It! videos 2, 4	

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

Autumn term / Week 12	4.2 Substitution of Numbers for Letters	• Substitute numbers for letters	DF2, 3, 4, 7 RM1, 3, 5 SP1-4 N12 A1, 2, 3, 6, 10	Workbook 1A Section 4.2 <b>k</b> Try It! video 6	<b>Pages</b> <b>99-101</b>
	<b>Review and assessment:</b> Integrated Examples and Review Exercise 1		DF1, 2, 4, 7 RM1, 3, 5, 6 SP1-4 N1, 2, 3, 4, 5, 6, 7, 12, 13, 14 A1, 2, 6, 10	Workbook 1A Review 1 <b>k</b> Fully-worked solutions: Review 1 in Workbook 1A	

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

Spring term / Week 1	<b>Chapter 5 Fractions</b>			<b>k</b> Chapter 5 introduction video <b>k</b> Chapter 5 online skills test <b>k</b> Chapter 5 end-of-chapter test and mark scheme Workbook 1C Chapter 5 Graded Question Bank 1, Chapter 5 <b>k</b> Fully-worked solutions: Chapter 5 in Workbook 1C, and Graded Question Bank 1	<b>Pages</b>
	5.1 Quantities as Fractions	• Use fraction notation and express one quantity as a fraction of another • Convert between improper fractions and mixed numbers	DF1, 2, 5, 7 RM1, 5 SP1-4 N12 R3	<b>k</b> Try It! video 2	<b>113-120</b>
	5.2 Equivalent Fractions and Comparing Fractions	• Identify equivalent fractions, simplify fractions and compare fractions	DF1, 2, 5, 7 RM1, 5 SP1-4 N2, 3, 12	<b>k</b> Try It! video 8	<b>121-127</b>

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