

**AUTUMN TERM DISCOVERY MATHS 2C YEAR 8 - Kerboodle book 2C**

**MON 7TH SEPT**

Autumn term / Week 1	Chapter 1 Factors and Multiples			Workbook 2C Chapter 1 k Chapter 1 introduction video k Chapter 1 online skills test k Chapter 1 end-of-chapter test and mark scheme k Fully-worked solutions: Chapter 1 in Workbook 2C	Pages  5-11
	1.1 Primes, Prime Factorisation and Index Notation	<ul style="list-style-type: none"> <li>recognise prime numbers</li> <li>express a composite number as a product of its prime factors</li> <li>represent the prime factorisation of a number in index notation</li> </ul>	DF2, 7 RM5 SP1-4 N7, 12	k Try It! Videos 1, 3, 4	

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

Autumn term / Week 2	1.2 Highest Common Factor (HCF)	<ul style="list-style-type: none"> <li>find the highest common factor (HCF) of a group of numbers by using prime factorisation</li> </ul>	DF2, 7 RM5 SP1-4 N3, 7, 12	k Try It! Videos 7, 9	Pages 12-14  15-19
	1.3 Lowest Common Multiple (LCM)	<ul style="list-style-type: none"> <li>find the lowest common multiple (LCM) of a group of numbers by using prime factorisation</li> </ul>	DF2, 7 RM5, 6 SP1-4 N3, 7, 12	k Try It! Videos 11, 12, 13	

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

Autumn term / Week 3	1.4 Prime Factorisation and Roots	<ul style="list-style-type: none"> <li>understand the use of prime factorisation to find the square root and cube root of a number</li> </ul>	DF1, 2, 7 RM1, 5 SP1-4 N6, 7, 12, 15	k Try It! Videos 15, 16, 17, 18	Pages 20-23
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**MON 28TH SEPT**

Autumn term / Week 4	Chapter 2 Approximation and Estimation			Workbook 2C Chapter 2 k Chapter 2 introduction video k Chapter 2 online skills test k Chapter 2 end-of-chapter test and mark scheme k Fully-worked solutions: Chapter 2 in Workbook 2C	Pages  29-32  33-36
	2.1 Rounding Numbers to Decimal Places	<ul style="list-style-type: none"> <li>round numbers to a required number of decimal places</li> </ul>	DF1, 2, 7 RM1, 5 SP1-4 N1, 12, 13, 15	k Try It! Video 2	
	2.2 Rounding Numbers to Significant Figures	<ul style="list-style-type: none"> <li>round numbers to a required number of significant figures</li> </ul>	DF1, 2, 7 RM1, 5 SP1-4 N1, 2, 12, 13, 14, 15	k Try It! Videos 5, 8	

## MON 5<sup>TH</sup> OCT

Autumn term / Week 5	2.3 Estimation	<ul style="list-style-type: none"> <li>estimate quantities (numbers and measures) to an appropriate degree of accuracy</li> <li>estimate the results of computation</li> <li>be aware of rounding errors in the intermediate steps of calculations</li> </ul>	DF2, 7 RM5 SP1-4 N2, 12, 13, 14, 15	<b>k</b> Try It! Videos 12, 13, 14, 15, 17	<b>Pages 37-47</b>
	Chapter 3 Ratio, Rate and Speed			Workbook 2C Chapter 3 <b>k</b> Chapter 3 introduction video <b>k</b> Chapter 3 online skills test <b>k</b> Chapter 3 end-of-chapter test and mark scheme <b>k</b> Fully-worked solutions: Chapter 3 in Workbook 2C	
	3.1 Integer Ratios	<ul style="list-style-type: none"> <li>use ratio notation</li> <li>compare quantities by ratio</li> <li>describe the relationship between ratio and fraction</li> <li>divide a quantity in a given ratio</li> </ul>	DF1, 2, 5, 7 RM1, 2, 5, 6 SP1-4 N3, 12 R1, 4, 5, 6, 7	<b>k</b> Try It! Video 6	<b>52-57</b>

## MON 12<sup>TH</sup> OCT

Autumn term / Week 6	3.2 All Kinds of Ratios	<ul style="list-style-type: none"> <li>solve problems involving ratio</li> </ul>	DF1, 2, 5, 7 RM1, 2, 5, 6 SP1-4 N3, 12, 15 R1, 4, 5, 6, 7	<b>k</b> Try It! Videos 8, 11, 14	<b>Pages 58-66</b>
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## MON 19<sup>TH</sup> OCT

Autumn term / Week 7	3.3 Scale Plans and Maps	<ul style="list-style-type: none"> <li>understand and use the scale of a plan or a map</li> </ul>	DF2, 7 RM2, 5, 6 SP1-4 N12 R1, 2, 4, 6	<b>k</b> Try It! Video 19	<b>Pages 67-76  77-81</b>
	3.4 Rate	<ul style="list-style-type: none"> <li>solve problems involving rate in daily life</li> </ul>	DF1, 2, 7 RM1, 2, 5, 6 SP1-4 N12 R1	<b>k</b> Try It! Video 26	

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


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

Autumn term / Week 8	3.5 Speed	<ul style="list-style-type: none"> <li>recognise the relationships between distance, time and speed</li> <li>recognise the concepts of constant speed and average speed</li> <li>write speed in different units and convert it from one unit to another</li> <li>solve problems involving speed</li> </ul>	DF2, 7 RM2, 5 SP1-4 N12 R1, 10	<b>k</b> Try It! Video 30, 33	<b>Pages 82-87</b>
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## MON 9<sup>TH</sup> NOV

Autumn term / Week 9	Chapter 4 Working with Percentages			Workbook 2C Chapter 4 <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 2C	<b>Pages  95-98</b>
	4.1 Simple Interest and Reverse Percentages	<ul style="list-style-type: none"> <li>calculate simple interest</li> <li>solve problems involving reverse percentage</li> </ul>	DF2 RM5, 6 SP1-4 N10, 12, 15 R8	<b>k</b> Try It! Video 3	


### MON 16TH NOV

Autumn term / Week 10	4.2 Percentage Increase and Decrease	<ul style="list-style-type: none"><li>calculate percentage increase and decrease in quantities</li></ul>	DF2 RM5, 6 SP1-4 N10, 12, 15 R8	 Try It! Videos 6, 9, 11	<b>Pages</b> <b>99-104</b>
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### MON 23RD NOV

Autumn term / Week 11	4.3 Repeated Percentage Changes	<ul style="list-style-type: none"><li>calculate repeated percentage change</li><li>calculate compound interest</li><li>solve problems involving growth and depreciation</li></ul>	DF1, 2 RM5, 6 SP1-4 N7, 10, 12, 15 A2, 6 R8	 Try It! Videos 14, 16	<b>Pages</b> <b>105-111</b>
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### MON 30<sup>TH</sup> NOV

Autumn term / Week 12	<b>Review and assessment:</b> Review Exercise 1		DF2, 7 RM5, 6 SP 1-4 N3, 7, 10, 12, 13, 14, 15 R4, 5, 6, 7, 8, 10	Workbook 2C Review 1  Fully-worked solutions: Review 1 in Workbook 2C	<b>Pages</b> <b>115-116</b>
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### MON 7<sup>TH</sup> DEC COMPLETE ASSESSMENTS AND GO THROUGH THEM

### MON 14TH DEC

XMAS ACTIVITIES

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