






AUTUMN TERM DISCOVERING MATHS 1C 2020-21

MON 7TH-FRI 11TH SEPT ENTRY TEST AND BASIC TEST


Kerboodle

MON 14TH SEPT


Book 1C

Autumn term / Week 1	Chapter 1 Positive Real Numbers			<ul style="list-style-type: none">  Chapter 1 introduction video  Chapter 1 online skills test  Chapter 1 end-of-chapter test and mark scheme Workbook 1C Chapter 1 Graded Question Bank 1, Chapter 1 <ul style="list-style-type: none">  Fully-worked solutions: Chapter 1 in Workbook 1C, and Graded Question Bank 1 	Pages	
	1.1 Place Values and Rounding Integers	<ul style="list-style-type: none"> • Recognise the place values of an integer • Round a number to the nearest 10, 100, 1000 	DF1, 2, 5, 7 RM1, 5 SP1-4 N1, 2, 12, 13, 16			6-8
	1.2 Addition	<ul style="list-style-type: none"> • Add two positive integers, using: <ul style="list-style-type: none"> • column method • laws of addition • mental addition 	DF2, 5, 7 RM1, 5 SP1-4 N4, 12	 Try It! video 43		9-11
	1.3 Subtraction	<ul style="list-style-type: none"> • Subtract two positive integers, using: <ul style="list-style-type: none"> • column method • mental subtraction • Relate addition and subtraction 	DF2, 5, 7 RM1, 5 SP1-4 N2, 4, 6, 12			12-15


MON 21ST SEPT

Autumn term / Week 2	1.4 Multiplication	<ul style="list-style-type: none"> • Multiply two positive integers, using <ul style="list-style-type: none"> • grid method and column method • laws of multiplication • mental multiplication 	DF2, 5, 7 RM1, 5 SP1-4 N4, 12	 Try It! video 11	Pages 16-19
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MON 28TH SEPT

Autumn term / Week 3	1.5 Division	<ul style="list-style-type: none"> • Divide two positive integers, using: <ul style="list-style-type: none"> • long division and short division methods • mental division • Relate multiplication and division 	DF2, 7 RM1, 5 SP1-4 N4, 6, 12	 Try It! video 18	Pages 20-13
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MON 5TH OCT

Autumn term / Week 4	1.6 Index Notation, Square Roots and Cube Roots	<ul style="list-style-type: none"> • Understand the meaning of square, cube, square root and cube root of a number • Understand index notation 	DF1, 2, 7 RM1, 5 SP1-4 N2, 7, 12, 15	 Try It! videos 21, 23	Pages 24-27
	1.7 Order of Operations and Using a Calculator	<ul style="list-style-type: none"> • Apply the order of operations in calculations • Use calculators to apply operations 	DF2, 7 RM1, 5, 6 SP1-4 N4, 5, 12, 15		28-30

MON 12TH OCT

Autumn term / Week 5	1.8 Factors and Multiples	<ul style="list-style-type: none"> Identify multiples and factors of numbers Apply the above concepts to solve daily life problems 	DF2, 7 RM1, 5 SP1-4 N3, 12	Try It! videos 29, 32	Pages 31-33
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MON 19TH OCT

Autumn term / Week 6	Chapter 2 Negative Real Numbers			Chapter 2 introduction video Chapter 2 online skills test Chapter 2 end-of-chapter test and mark scheme Workbook 1C Chapter 2 Graded Question Bank 1, Chapter 2 Fully-worked solutions: Chapter 2 in Workbook 1C, and Graded Question Bank 1	Pages
	2.1 Negative Numbers and the Number Line	<ul style="list-style-type: none"> Recognise the use of negative numbers in the real world Represent numbers on a number line 	DF2, 5, 7 RM1, 5 SP1-4 N2, 12	Try It! video 1	38-41
	2.2 Addition and Subtraction of Integers	<ul style="list-style-type: none"> Identify integers and perform addition and subtraction on them 	DF2, 5, 7 RM1, 5 SP1-4 N4, 12	Try It! videos 5, 7	42-47

FRI 23RD OCT-SUN 1ST NOV HALF TERM

MON 2ND NOV

Autumn term / Week 7	2.3 Multiplication, Division and Combined Operations of Integers	<ul style="list-style-type: none"> Identify integers and perform multiplication and division on them Combine operations of integers 	DF2, 7 RM1, 5, 6 SP1-4 N4, 5, 12, 15	Try It! video 9	Pages 49-54
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MON 9TH NOV

Autumn term / Week 8	Chapter 3 Introduction to Algebra			Chapter 3 introduction video Chapter 3 online skills test Chapter 3 end-of-chapter test and mark scheme Workbook 1C Chapter 3 Graded Question Bank 1, Chapter 3 Fully-worked solutions: Chapter 3 in Workbook 1C, and Graded Question Bank 1	Pages
	3.1 Letters to Represent Numbers	<ul style="list-style-type: none"> Use letters to represent numbers Interpret simple algebraic notation 	DF2, 3, 4, 5, 7 RM1, 3, 5 SP1-4 N12 A1, 3, 6, 10		60-65

MON 16TH NOV

Autumn term / Week 9	3.2 Substituting Numbers for Letters	<ul style="list-style-type: none"> Substitute integers into simple expressions and formulae 	DF2, 3, 4, 7 RM1, 3, 5 SP1-4 N12 A1, 2, 3, 5	Try It! videos 9, 13	Pages 66-70
	3.3 Writing Algebraic Expressions and Formulae	<ul style="list-style-type: none"> Write simple expressions and formulae 	DF2, 3, 4, 5, 7 RM1, 3, 5 SP1-4 N12 A1, 2, 3, 5, 6, 10		71-73

MON 23RD NOV

Autumn term / Week 10	3.4 Like Terms and Unlike Terms	<ul style="list-style-type: none"> Simplify expressions by collecting like terms 	DF2, 3, 4, 7 RM3, 5 SP1-4 N12 A1, 2, 3, 4		Pages 74-78 79-82
	3.5 Addition and Subtraction of Linear Expressions	<ul style="list-style-type: none"> Add and subtract linear expressions 	DF2, 3, 4, 7 RM3, 5 SP1-4 N12 A1, 2, 3, 4	k Try It! videos 22, 23, 24	
Autumn term / Week 10 (<i>continued</i>)	3.6 Expressions with Brackets	<ul style="list-style-type: none"> Expand a single bracket 	DF2, 3, 4, 7 RM1, 3, 5 SP1-4 N12 A1, 4	k Try It! video 28	83-85

MON 30TH NOV

Autumn term / Week 11	Chapter 4 Simple Equations			<ul style="list-style-type: none"> k Chapter 4 introduction video k Chapter 4 online skills test k Chapter 4 end-of-chapter test and mark scheme Workbook 1C Chapter 4 Graded Question Bank 1, Chapter 4 k Fully-worked solutions: Chapter 4 in Workbook 1C, and Graded Question Bank 1 	Pages 92-97 99-100 101-105
	4.1 Equations in One Variable	<ul style="list-style-type: none"> Understand the concept of equations and balancing Solve simple equations in one variable 	DF2, 4, 5 RM3, 5 SP1-4 N12 A1, 3, 7	k Try It! videos 2, 6	
	4.2 Equations in One Variable with Brackets	<ul style="list-style-type: none"> Solve simple equations involving brackets 	DF2, 4, 5 RM3, 5 SP1-4 N12 A1, 3, 4, 7	k Try It! video 9	
	4.3 Writing Equations to Solve Problems	<ul style="list-style-type: none"> Write simple equations in one variable to solve problems 	DF2, 4, 5 RM3, 5 SP1-4 N12 A3, 6, 7	k Try It! videos 11, 14	

MON 7TH DEC

Autumn term / Week 12	Review and assessment: Review Exercise 1	DF1, 2, 3, 4, 7 RM1, 3, 5, 6 SP1-4 N1, 3, 4, 5, 7, 12, 13 A1, 2, 3, 4, 6, 7, 10	Workbook 1C Review 1	Pages 108-109
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SAT 19TH DEC – MON 4TH JAN XMAS HOLIDAY