

AUTUMN TERM DISCOVERING MATHS 1B 2020-21

MON 7TH SEPT Entry Test + Basics Test 3

Kerboodle

MON 14TH SEPT

Book 1B

Autumn term / Week 1	Chapter 1 Positive Integers			<ul style="list-style-type: none"> k Chapter 1 introduction video k Chapter 1 online skills test k Chapter 1 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 1 <ul style="list-style-type: none"> k Fully-worked solutions: Chapter 1 in Workbook 1B, 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	Workbook 1B Section 1.1	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	Workbook 1B Section 1.2 k Try It! video 4	9-12
	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	Workbook 1B Section 1.3	13-16

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	Workbook 1B Section 1.4 k Try It! video 13	Pages 17-22
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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, 6 SP1-4 N4, 6, 12	Workbook 1B Section 1.5 k Try It! video 17	Pages 22-26
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MON 5TH OCT

Autumn term / Week 4	1.6 Squares, Cubes, 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 	DF1, 2, 7 RM1, 5 SP1-4 N2, 7, 12, 15	Workbook 1B Section 1.6 k Try It! video 25	Pages 27-29
	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	Workbook 1B Section 1.7	30-32

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	Workbook 1B Section 1.8  Try It! videos 31, 34	Pages 33-35
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MON 19TH OCT





Autumn term / Week 6	Chapter 2 Negative Integers			 Chapter 2 introduction video  Chapter 2 online skills test  Chapter 2 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 2  Fully-worked solutions: Chapter 2 in Workbook 1B, and Graded Question Bank 1	Pages 40-44 45-53
	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	Workbook 1B Section 2.1  Try It! video 1	
	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	Workbook 1B Section 2.2  Try It! videos 6, 7, 8, 9	

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	Workbook 1B Section 2.3  Try It! videos 13, 15, 16	Pages 54-59
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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 Graded Question Bank 1, Chapter 3  Fully-worked solutions: Chapter 3 in Workbook 1B, and Graded Question Bank 1	Pages 65-70
	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	Workbook 1B Section 3.1	







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	Workbook 1B Section 3.2  Try It! video 9	Pages 71-74
	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	Workbook 1B Section 3.3	75-77

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	Workbook 1B Section 3.4  Try It! video 18	Pages 78-84
	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	Workbook 1B Section 3.5  Try It! videos 20, 21, 22	







MON 30TH NOV

Autumn term / Week 11	Chapter 4 Simple Equations			 Chapter 4 introduction video  Chapter 4 online skills test  Chapter 4 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 4  Fully-worked solutions: Chapter 4 in Workbook 1B, and Graded Question Bank 1	Pages 95-101 102-106
	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, 6, 7	Workbook 1B Section 4.1  Try It! videos 2, 5	
	4.2 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	Workbook 1B Section 4.2  Try It! videos 7, 10	

MON 7TH DEC

Autumn term / Week 12	Review and assessment: Integrated Examples and Review Exercise 1	DF1, 2, 3, 4, 7 RM1, 3, 5 SP1-4 N1, 3, 4, 5, 7, 12, 13 A1, 2, 3, 4, 5, 6, 7, 10	Workbook 1B Review 1	Pages 109 - 112
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MON 14TH DEC

Spring term / Week 1	Chapter 5 Fractions			 Chapter 5 introduction video  Chapter 5 online skills test  Chapter 5 end-of-chapter test and mark scheme Graded Question Bank 1, Chapter 5  Fully-worked solutions: Chapter 5 in Workbook 1B, and Graded Question Bank 1	Pages 115-118 119-123
	5.1 Quantities as Fractions	<ul style="list-style-type: none"> 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	Workbook 1B Section 5.1  Try It! video 2	
	5.2 Equivalent Fractions and Comparing Fractions	<ul style="list-style-type: none"> Identify equivalent fractions, simplify fractions and compare fractions 	DF1, 2, 5, 7 RM1, 5 SP1-4 N2, 3, 12	Workbook 1B Section 5.2  Try It! video 8	

SAT 19TH DEC-MON 4TH JAN XMAS HOLIDAY