

Remote Curriculum

Year 9 Mathematics (sets 1 to 3)

How it Works:

1. Find the correct week commencing row.
2. Find today's day - There are 2 different lessons in each day – you won't run out of work.
3. Choose a lesson – hold ctrl and click the chosen link.

If you don't recognise the work, it appears too difficult or the link doesn't load;

Try another task – look at the previous/next lesson or look at other days.

4. Some lessons have links to PowerPoints and other resources beneath the video and/or Starter Quiz
5. Complete any starter quizzes.
 - a. Write your answer down
 - b. Mark your answers and write down any corrections
6. Watch the videos and take notes.
7. Pause if/when instructed to do so to answer questions or respond.
8. Complete and go onto the next one.



Ivybridge
COMMUNITY COLLEGE

Week Commencing	Week	Lesson	Title	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
8/09/25	B	Monday	Similarity and Congruence	Checking understanding of similarity	Checking understanding of congruence
		Tuesday		Checking understanding of congruence	Similarity in shapes
		Wednesday		Similarity in shapes	Congruence in shapes
		Thursday		Congruence in shapes	Congruent, similar or neither
		Friday		Congruent, similar or neither	Rotational symmetry
15/09/25	A	Monday		Rotational symmetry	Congruent triangles (SSS)
		Tuesday		Congruent triangles (SSS)	Congruent triangles (SAS)
		Wednesday		Congruent triangles (SAS)	Congruent triangles (ASA and AAS)
		Thursday		Congruent triangles (ASA and AAS)	Congruent triangles (RHS)
		Friday		Congruent triangles (RHS)	Applying the criteria for congruence
22/09/25	B	Monday	Pythagoras' Theorem	Applying the criteria for congruence	Demonstrating Pythagoras' theorem
		Tuesday		Demonstrating Pythagoras' theorem	Length of the hypotenuse
		Wednesday		Length of the hypotenuse	Length of a shorter side

		Thursday		Length of a shorter side	Determining which side	
		Friday		Determining which side	Pythagoras' theorem in context	
29/09/25	A	Monday	Probability	Pythagoras' theorem in context	Problem solving with similarity and Pythagoras' theorem	
		Tuesday		Problem solving with similarity and Pythagoras' theorem	Checking understanding of similarity	
		Wednesday		Equally likely outcomes	Non-equally likely outcomes	
		Thursday		Non-equally likely outcomes	The scale of likelihoods	
		Friday		The scale of likelihoods	Experiments to determine how likely an outcome is	
				Experiments to determine how likely an outcome is	Using lists to display outcomes for two events	
06/10/25	B	Tuesday		Using lists to display outcomes for two events	Using two-way tables to display outcomes for two events	
		Wednesday		Using two-way tables to display outcomes for two events	Using an outcome tree to display outcomes for two events	
		Thursday		Using an outcome tree to display outcomes for two events	Using a Venn diagram to display outcomes for two events	
		Friday		Using a Venn diagram to display outcomes for two events	Comparing representations of outcomes for two events	
				Comparing representations of outcomes for two events	Using lists to display outcomes for more than two events	
13/10/25	A	Tuesday		Using lists to display outcomes for more than two events	Using an outcome tree to display outcomes for more than two events	
		Wednesday		Using an outcome tree to display outcomes for more than two events	Using a Venn diagram to display outcomes for more than two events	
		Thursday		Using a Venn diagram to display outcomes for more than two events	Comparing representations of outcomes for more than two events	
		Friday		Comparing representations of outcomes for more than two events	Problem solving with possible outcomes	
				Problem solving with possible outcomes	Using lists to display outcomes for two events	
20/10/25	B	Tuesday		Using lists to display outcomes for two events	Using two-way tables to display outcomes for two events	
		Wednesday		Using two-way tables to display outcomes for two events	Using an outcome tree to display outcomes for two events	
		Thursday		Using an outcome tree to display outcomes for two events	Using a Venn diagram to display outcomes for two events	
		Friday		Checking listing possible outcomes	The probability scale	
03/11/25	A	Monday			Write the nth term of a linear sequence	Triangular and Fibonacci style sequences

		Tuesday	Sequences	Write the nth term of a linear sequence	Triangular and Fibonacci style sequences
		Wednesday		Find terms of a linear sequence	Simple quadratic and cubic sequences
		Thursday		Write the nth term of a linear sequence	Find terms of a linear sequence
		Friday		Find terms of a linear sequence	Triangular and Fibonacci style sequences
10/11/25	B	Monday	Sequences	Triangular and Fibonacci style sequences	Simple quadratic and cubic sequences
		Tuesday		Simple quadratic and cubic sequences	Write the nth term of a linear sequence
		Wednesday		Checking understanding of arithmetic sequences	Securing understanding of arithmetic sequences
		Thursday		Securing understanding of arithmetic sequences	Features of geometric sequences
		Friday		Features of geometric sequences	Recognising geometric sequences
17/11/25	A	Monday	Sequences	Recognising geometric sequences	Representing geometric sequences graphically
		Tuesday		Representing geometric sequences graphically	Features of special number sequences
		Wednesday		Features of special number sequences	Recognising special number sequences
		Thursday		Recognising special number sequences	Graphing special number sequences using technology
		Friday		Graphing special number sequences using technology	Extrapolating a sequence
24/11/25	B	Monday	Percentages and Multiplicative Reasoning	Extrapolating a sequence	Problem solving with non-linear relationships
		Tuesday		Checking and securing understanding of finding a percentage	Checking and securing understanding of percentage increase
		Wednesday		Checking and securing understanding of percentage increase	Checking and securing understanding of percentage decrease
		Thursday		Checking and securing understanding of percentage decrease	Percentage profit and loss
		Friday		Percentage profit and loss	Simple and compound interest
01/12/25	A	Monday	Percentages and Multiplicative Reasoning	Simple and compound interest	Simple interest calculations with technology
		Tuesday		Simple interest calculations with technology	Compound interest calculations
		Wednesday		Compound interest calculations	Compound interest calculations with technology

		Thursday		Compound interest calculations with technology	Problem solving with percentages
		Friday		Problem solving with percentages	Percentage profit and loss
08/12/25	B	Monday		Checking and further securing understanding of direct proportion in context	Compound measures for speed
		Tuesday		Compound measures for speed	Compound measures for density
		Wednesday		Compound measures for density	Compound measures for pressure
		Thursday		Compound measures for pressure	Converting between metric speed measures
		Friday		Converting between metric speed measures	Checking and securing understanding of percentage decrease
15/12/25	B	Monday		Checking and securing understanding of percentage decrease	Percentage profit and loss
		Tuesday		Percentage profit and loss	Simple and compound interest
		Wednesday		Simple and compound interest	Simple interest calculations with technology
		Thursday		Simple interest calculations with technology	Compound interest calculations
		Friday		Compound interest calculations	Checking and further securing understanding of direct proportion in context

Lesson 3 Hold ctrl and click	
0613 Factors and Multiples	
0686 Lowest Common Multiple	
0687 Highest Common Factor	
0685 Highest Common Factor	
0748 Highest Common Factors and Lowest Common Multiples – Listing Method 2	
0617 Highest Common Factors and Lowest Common Multiples – Venn Diagram	
0608 Triangular and Prime Numbers	
0609 Triangular and Prime Numbers	
0879 Square and Cube Roots and Basic Powers	
0611 Powers and Roots	
0883 Use of Index Notation for Powers of 10 in Calculations	
0884 Laws of Indices and Re-writing with the same Base	
0991 Raising to another Exponent and Fractional Indices	

0885 Using Negative and Fractional Indices
0747 Factors, Multiples and Primes
0167 Prime Factor Decomposition
0616 Prime Factorisation
0827 Primes, Product of Primes: Venn Diagram Method
0749 Highest Common Factors and Lowest Common Multiples – Prime Factor Decomposition
0588 Addition and Subtraction Problems
0021 Multiplying Integers
0025 Dividing Integers
0145 Add and Subtract Decimals
0679 Adding and Subtracting Decimals
0027 Solving Problems by Multiplying and Dividing Integers and Decimals
0159 Multiply and Divide Positive and Negative Numbers
0031 Using Negative Numbers in Context
0159 Multiply and Divide Using Positive and Negative Numbers
0014 Ordering Negative Numbers
0603 Ordering Negative Numbers
0683 Adding and Subtracting Negative Numbers 2
0605 Multiply and Divide Negative Numbers
0612 Bidmas
0681 Bidmas

0041 Factors and Multiples	0245 Multiples and Lowest Common Multiples
L0043 Lowest Common Multiple	0114 Lowest Common Multiple
0042 highest Common Factors	0113 Highest Common Factors
Highest Common Factors	0166 Highest Common Factor and Lowest Common Multiple
Factor Polygons	0615 Highest Common Factors and Lowest Common Multiples – Listing Method 1
Common Multiples	0826 Factors, Highest Common Factors, Multiples and Lowest Common Multiples
Square Numbers	0110 Square and Cube Numbers
0034 Triangular, Square and Cube Numbers	Square and Cube Numbers
Square Roots and Cube Roots	0038 Squares and Square Roots. Cubes and Cube Roots
0037 Powers and Roots	
Mayan Numbers	0101 Multiplication and Division by Powers of 10
Base 10 and Base 5	Expressing Powers of Different Bases
Operations in Bases	Exposing Factors
Indices	0047 Using Index Notation – Prime Decomposition
	0987 Laws of Indices for Multiplication
Index Notation	0988 Laws of Indices for Division
Laws of Indices	Negative Indices
	0989 Zero and Negative Indices
	Indices and Power of Zero
Index Laws	Fractional Indices
0033 Recognise Odd and Even Two-Digit Prime Numbers	0112 Factors and Prime Factors
0165 Prime Numbers	0046 Prime Factor Decomposition

Prime Building Blocks	0167 Prime Factor Decomposition
0046 Prime Factor Decomposition	0244 Factors, Prime Numbers and Highest Common Factors
0045 – Prime Factors and Venn Diagrams	0047 Using Index Notation – Prime Decomposition



Basic Addition	Further Addition
Basic Multiplication	Further Multiplication
Basic Division	0022 Dividing Integers
0009 Adding Integers and Decimals	0010 Subtracting Integers and Decimals
0097 Adding Integers and Decimals	0587 Add and Subtract Integers and Decimals
0108 Adding and Subtracting Negative Numbers	0146 Multiply Integers and Decimals
0157 Ordering Negative Numbers	0158 Addition and Subtraction Problems with Negative Numbers
0026 Ordering Positive and Negative Integers	0029 Addition and Subtraction with Positive and Negative Integers
0022 Dividing Integers	0147 Divide Integers and Decimals
0013 Ordering Positive Integers	0107 Ordering Negative Numbers
Representing Integers	0011 Place Value for Integers and Decimals
0098 Subtracting Integers and Decimals	0604 Add and Subtract Negative Numbers 1
0030 Multiply and Divide Positive and Negative Integers	0109 Multiplying and Dividing Negative numbers
0039 Order of Operations (Bidmas)	0103 Bidmas
0151 Four Operations and Money Problems 0149 Order of Operations	0150 Apply the Four Operations
Basic Addition	Further Addition
Basic Multiplication	Further Multiplication
Basic Division	0022 Dividing Integers
0009 Adding Integers and Decimals	0010 Subtracting Integers and Decimals

0097 Adding Integers and Decimals	0587 Add and Subtract Integers and Decimals
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