

Remote Curriculum

Year 9 Mathematics Set 4



Ivybridge
COMMUNITY COLLEGE

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.

Week Commencing	Week	Lesson	Title	Lesson 1 Hold ctrl and click	Lesson 2 Hold ctrl and click
8/09/25	B	Monday	Integers and place value recap	Checking understanding of place value in integers	Securing understanding of place value in integers
		Tuesday		Securing understanding of place value in integers	Deepening understanding of place value in integers
		Wednesday		Deepening understanding of place value in integers	Exponential and fractional column headings
		Thursday		Exponential and fractional column headings	Place value in decimals
		Friday		Place value in decimals	Checking understanding of place value in metric units
15/09/25	A	Monday		Checking understanding of place value in metric units	Securing understanding of place value in metric units
		Tuesday		Securing understanding of place value in metric units	Place value in imperial units
		Wednesday		Place value in imperial units	Checking understanding of ordering and comparing numbers
		Thursday		Checking understanding of ordering and comparing numbers	Securing understanding of ordering and comparing numbers

		Friday	Angles and Polygons	Formal angle notation	Checking understanding of angles from KS2
22/09/25	B	Monday		Checking understanding of angles from KS2	Securing understanding of angles from KS2
		Tuesday		Securing understanding of angles from KS2	Formalising understanding of triangles from KS2
		Wednesday		Formalising understanding of triangles from KS2	Formal angle notation
		Thursday		Formal angle notation	Corresponding angles
		Friday		Corresponding angles	Alternate angles
29/09/25	A	Monday		Alternate angles	Co-interior angles
		Tuesday		Co-interior angles	Angles on parallel lines traversed by a straight line
		Wednesday		Angles on parallel lines traversed by a straight line	The sum of the interior angles of any triangle
		Thursday		The sum of the interior angles of any triangle	Using the sum of the interior angles of a triangle
		Friday		Using the sum of the interior angles of a triangle	Interior angles of a polygon
06/10/25	B	Monday		Interior angles of a polygon	Deriving the sum of interior angles in multiple ways
		Tuesday		Deriving the sum of interior angles in multiple ways	Exterior angles of polygons
		Wednesday		Exterior angles of polygons	Interior and exterior angles of regular polygons
		Thursday		Interior and exterior angles of regular polygons	Missing angles
		Friday		Missing angles	Problem solving with polygons
13/10/25	A	Monday	Similarity and Pythagoras' Theorem	Demonstrating Pythagoras' theorem	Length of the hypotenuse
		Tuesday		Length of the hypotenuse	Length of a shorter side
		Wednesday		Length of a shorter side	Determining which side
		Thursday		Determining which side	Pythagoras' theorem in context
		Friday		Pythagoras' theorem in context	Problem solving with similarity and Pythagoras' theorem
20/10/25	B	Monday		Problem solving with similarity and Pythagoras' theorem	Checking understanding of similarity
		Tuesday		Checking understanding of similarity	Checking understanding of congruence
		Wednesday		Checking understanding of congruence	Similarity in shapes
		Thursday		Similarity in shapes	Congruence in shapes
		Friday		Congruence in shapes	Congruent, similar or neither

03/11/25	A	Monday	Probability	Equally likely outcomes	Non-equally likely outcomes
		Tuesday		Non-equally likely outcomes	The scale of likelihoods
		Wednesday		The scale of likelihoods	Experiments to determine how likely an outcome is
		Thursday		Experiments to determine how likely an outcome is	Using lists to display outcomes for two events
		Friday		Using lists to display outcomes for two events	Using two-way tables to display outcomes for two events
10/11/25	B	Monday		Using two-way tables to display outcomes for two events	Using an outcome tree to display outcomes for two events
		Tuesday		Using an outcome tree to display outcomes for two events	Using a Venn diagram to display outcomes for two events
		Wednesday		Using a Venn diagram to display outcomes for two events	Comparing representations of outcomes for two events
		Thursday		Comparing representations of outcomes for two events	Using lists to display outcomes for more than two events
		Friday		Using lists to display outcomes for more than two events	Using an outcome tree to display outcomes for more than two events
17/11/25	A	Monday		Using an outcome tree to display outcomes for more than two events	Using a Venn diagram to display outcomes for more than two events
		Tuesday		Using a Venn diagram to display outcomes for more than two events	Comparing representations of outcomes for more than two events
		Wednesday		Comparing representations of outcomes for more than two events	Problem solving with possible outcomes
		Thursday		Problem solving with possible outcomes	Using lists to display outcomes for two events
		Friday		Using lists to display outcomes for two events	Using two-way tables to display outcomes for two events
24/11/25	B	Monday		Using two-way tables to display outcomes for two events	Using an outcome tree to display outcomes for two events
		Tuesday		Using an outcome tree to display outcomes for two events	Using a Venn diagram to display outcomes for two events
		Wednesday		Checking listing possible outcomes	The probability scale
		Thursday	Sequences	Write the nth term of a linear sequence	Triangular and Fibonacci style sequences
		Friday		Find terms of a linear sequence	Simple quadratic and cubic sequences
01/12/25	A	Monday		Write the nth term of a linear sequence	Find terms of a linear sequence
		Tuesday		Find terms of a linear sequence	Triangular and Fibonacci style sequences

		Wednesday		Triangular and Fibonacci style sequences	Simple quadratic and cubic sequences
		Thursday		Simple quadratic and cubic sequences	Write the nth term of a linear sequence
		Friday		Checking understanding of arithmetic sequences	Securing understanding of arithmetic sequences
08/12/25	B	Monday		Securing understanding of arithmetic sequences	Features of geometric sequences
		Tuesday		Features of geometric sequences	Recognising geometric sequences
		Wednesday		Recognising geometric sequences	Representing geometric sequences graphically
		Thursday		Representing geometric sequences graphically	Features of special number sequences
		Friday		Features of special number sequences	Recognising special number sequences
15/12/25	B	Monday		Recognising special number sequences	Graphing special number sequences using technology
		Tuesday	Percentages recap	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

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

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

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
0108 Adding and Subtracting Negative Numbers	0146 Multiply Integers and Decimals
0157 Ordering Negative Numbers	0158 Addition and Subtraction Problems with Negative Numbers
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