

Remote Curriculum

Year 10 Foundation Mathematics

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	<i>Factors, multiples, primes, powers and roots</i>	Multiples and Factor Pairs	Identify Prime Numbers
		Tuesday		Identify Prime Numbers	Prime Factor Decomposition
		Wednesday		Prime Factor Decomposition	Using Prime Factor Decomposition
		Thursday		Using Prime Factor Decomposition	Simple LCM and HCF
		Friday		Simple LCM and HCF	Finding the LCM
15/09/25	A	Monday		Finding the LCM	Finding the HCF
		Tuesday		Finding the HCF	Applying LCM and HCF
		Wednesday		Applying LCM and HCF	Square and cube numbers
		Thursday		Square and cube numbers	Square roots and cube roots
		Friday		Square roots and cube roots	Higher powers
22/09/25	B	Monday		Higher powers	Higher roots
		Tuesday		Higher roots	Multiply powers
		Wednesday		Multiply powers	Divide powers

		Thursday		Divide powers	Powers of powers
		Friday		Powers of powers	Manipulating powers
29/09/25	A	Monday	<i>Indices and Standard form</i>	Manipulating powers	Multiples and Factor Pairs
		Tuesday		Checking and securing understanding of roots and integer indices	The laws of indices - multiplication
		Wednesday		The laws of indices - multiplication	The laws of indices - division
		Thursday		The laws of indices - division	The laws of indices - raising a power to a power
		Friday		The laws of indices - raising a power to a power	The laws of indices - negative and zero exponents
				The laws of indices - negative and zero exponents	Problem solving with the laws of indices
06/10/25	B	Monday	<i>Indices and Standard form</i>	Problem solving with the laws of indices	Checking and securing understanding of writing large numbers in standard form
		Tuesday		Checking and securing understanding of writing large numbers in standard form	Checking and securing understanding of writing small numbers in standard form
		Wednesday		Checking and securing understanding of writing small numbers in standard form	Adding numbers in standard form
		Thursday		Adding numbers in standard form	Subtracting numbers in standard form
		Friday		Subtracting numbers in standard form	Multiplying numbers in standard form
13/10/25	A	Monday	<i>Sequences</i>	Multiplying numbers in standard form	Dividing numbers in standard form
		Tuesday		Dividing numbers in standard form	Problem solving with standard form calculations
		Wednesday		Problem solving with standard form calculations	Problem solving with the laws of indices
		Thursday		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
20/10/24	B	Monday	<i>Sequences</i>	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			
03/11/25	A	Monday	<i>Sequences cont.</i>	Checking understanding of arithmetic sequences	Securing understanding of arithmetic sequences
		Tuesday		Securing understanding of arithmetic sequences	Features of geometric sequences
		Wednesday		Features of geometric sequences	Recognising geometric sequences

		Thursday		Recognising geometric sequences	Representing geometric sequences graphically
		Friday		Representing geometric sequences graphically	Features of special number sequences
10/11/25	B	Monday	Algebra Recap	Features of special number sequences	Recognising special number sequences
		Tuesday		Recognising special number sequences	Graphing special number sequences using technology
		Wednesday		Simplify Expressions by Collecting Like Terms	Simplify Expressions by Multiplying Terms
		Thursday		Simplify Expressions by Multiplying Terms	Expand a Term over a Single Bracket
		Friday		Expand a Term over a Single Bracket	Expand a Term over a Single Bracket including Powers
17/11/25	A	Monday		Expand a Term over a Single Bracket including Powers	Solving one-step equations
		Tuesday		Solving one-step equations	Solving two-step equations
		Wednesday		Solving two-step equations	Solving equations with brackets
		Thursday		Solving equations with brackets	Solving equations with unknown on both sides
		Friday		Solving equations with unknown on both sides	Substitute a positive term into a formula
24/11/25	B	Monday		Substitute a positive term into a formula	Substitute a negative term into a formula
		Tuesday		Substitute a negative term into a formula	Change the subject of a formula
		Wednesday		Simplify Expressions by Collecting Like Terms	Simplify Expressions by Multiplying Terms
		Thursday		Simplify Expressions by Multiplying Terms	Expand a Term over a Single Bracket
		Friday		Expand a Term over a Single Bracket	Expand a Term over a Single Bracket including Powers
01/12/25	A	Monday		Expand a Term over a Single Bracket including Powers	Solving one-step equations
		Tuesday		Solving one-step equations	Solving two-step equations
		Wednesday		Solving two-step equations	Solving equations with brackets
		Thursday		Solving equations with brackets	Solving equations with unknown on both sides
		Friday		Solving equations with unknown on both sides	Substitute a positive term into a formula

08/12/25	B	Monday		Substitute a positive term into a formula	Substitute a negative term into a formula
		Tuesday		Substitute a negative term into a formula	Change the subject of a formula
		Wednesday	Percentages recap.	Checking and securing understanding of finding a percentage	Checking and securing understanding of percentage increase
		Thursday		Checking and securing understanding of percentage increase	Checking and securing understanding of percentage decrease
		Friday		Checking and securing understanding of percentage decrease	Percentage profit and loss
15/12/25	A	Monday		Percentage profit and loss	Simple and compound interest
		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

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
0108 Adding and Subtracting Negative Numbers	0146 Multiply Integers and Decimals

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