

Remote Curriculum

Year 8 Maths

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
9/09/24	B	Monday	<i>Estimation and Rounding</i>	Checking understanding of rounding	Securing understanding of rounding
		Tuesday		Securing understanding of rounding	Rounding to three decimal places
		Wednesday		Rounding to three decimal places	Rounding to any number of decimal places
		Thursday		Rounding to any number of decimal places	Rounding integers to one significant figure
		Friday		Rounding integers to one significant figure	Rounding integers to significant figures
16/09/24	A	Monday		Rounding integers to significant figures	Rounding decimals to significant figures
		Tuesday		Rounding decimals to significant figures	Degrees of accuracy
		Wednesday		Degrees of accuracy	Estimating numerical calculations
		Thursday		Estimating numerical calculations	Checking by estimating
		Friday		Checking by estimating	Truncating
23/09/24	B	Monday	Truncating	Overestimating vs underestimating	
		Tuesday	Overestimating vs underestimating	Rounding errors	

		Wednesday		Rounding errors	Inequality notation to express error
		Thursday		Inequality notation to express error	Using inequality notation for errors in calculations
		Friday		Using inequality notation for errors in calculations	Problem solving with estimation and rounding
30/09/24	A	Monday		Problem solving with estimation and rounding	Rounding integers to one significant figure
		Tuesday		Rounding integers to one significant figure	Rounding integers to significant figures
		Wednesday		Rounding integers to significant figures	Rounding decimals to significant figures
		Thursday		Rounding decimals to significant figures	Degrees of accuracy
		Friday		Degrees of accuracy	Estimating numerical calculations
7/10/24	B	Monday		Checking understanding of sequences	Securing understanding of sequences
		Tuesday		Securing understanding of sequences	Formalising a sequence
		Wednesday		Formalising a sequence	Generating a sequence using a term-to-term rule
		Thursday		Generating a sequence using a term-to-term rule	Generating a sequence using a position-to-term rule
		Friday		Generating a sequence using a position-to-term rule	Arithmetic sequences
14/10/24	A	Monday	Sequences	Arithmetic sequences	Expressing an arithmetic sequence
		Tuesday		Expressing an arithmetic sequence	Calculating any term
		Wednesday		Calculating any term	Finding the nth term
		Thursday		Finding the nth term	Representing sequences graphically
		Friday		Representing sequences graphically	Justifying terms of a sequence
21/10/24	B	Monday		Justifying terms of a sequence	Problem solving with sequences
		Tuesday		Problem solving with sequences	Arithmetic sequences
		Wednesday		Calculating any term	Expressing an arithmetic sequence
		Thursday		Finding the nth term	Calculating any term
		Friday		Representing sequences graphically	Finding the nth term
4/11/24	A	Monday	Graphical Representations	Checking and securing understanding of plotting coordinates	Checking and securing understanding of plotting coordinates generated from a rule
		Tuesday		Checking and securing understanding of plotting coordinates generated from a rule	Checking and securing understanding of plotting coordinates with technology
		Wednesday		Checking and securing understanding of plotting coordinates with technology	Checking and securing plotting a relationship

		Thursday		Checking and securing plotting a relationship	Features of linear relationships
		Friday		Features of linear relationships	Defining features of linear relationships
11/11/24	B	Monday		Defining features of linear relationships	Positive rate of change from a graph
		Tuesday		Positive rate of change from a graph	Negative rate of change from a graph
		Wednesday		Negative rate of change from a graph	Rate of change from a coordinate pair
		Thursday		Rate of change from a coordinate pair	The intercept point
		Friday		The intercept point	The equation of a straight line
				Monday	
18/11/24	A	Tuesday		Finding the equation of the line $y = mx + c$	Finding the equation of the line $ay + bx + c = 0$
		Wednesday		Finding the equation of the line $ay + bx + c = 0$	Using dynamic software to explore linear relationships
		Thursday		Using dynamic software to explore linear relationships	Problem solving with graphing linear relationships
		Friday		Problem solving with graphing linear relationships	The equation of a straight line
				Monday	
25/11/24	B	Tuesday		Securing understanding of equality	Different types of equations
		Wednesday		Different types of equations	Equality in an equation
		Thursday		Equality in an equation	Solution to an equation
		Friday		Solution to an equation	Many equations, one solution
				Monday	
2/12/24	A	Tuesday		Solving simple linear equations with an additive step	Solving simple linear equations with a multiplicative step
		Wednesday		Solving simple linear equations with a multiplicative step	Preparing to solve two step linear equations
		Thursday		Preparing to solve two step linear equations	Solving two step linear equations
		Friday		Solving two step linear equations	Rearranging to solve linear equations
		9/12/24	B	Monday	Rearranging to solve linear equations

		Tuesday		Solving complex linear equations	Brackets in equations
		Wednesday		Brackets in equations	Solving linear equations where brackets are used
		Thursday		Solving linear equations where brackets are used	Solving complex linear equations involving brackets
		Friday		Solving complex linear equations involving brackets	Solving linear equations graphically using technology
16/12/24	B	Monday		Solving linear equations graphically using technology	Problem solving with linear equations
		Tuesday		Problem solving with linear equations	Preparing to solve two step linear equations
		Wednesday		Different types of equations	Solving two step linear equations
		Thursday		Equality in an equation	Rearranging to solve linear equations
		Friday		Solution to an equation	Solving complex linear equations

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 Operations in Bases	Expressing Powers of Different 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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