

## Maths: AQA Foundation

Topic area	Doddle Resource	How it helps
<b>Dividing fractions and mixed numbers</b>	Revision: Dividing with fractions	Provide students with practice in dividing by fractions and mixed numbers.
	Quick Test: Dividing with fractions	
<b>Linear equations</b>	Revision: Solving equations with an unknown on one side	Give students practice manipulating and solving linear equations.
	Quick Test: Equations with an unknown on one side	
	Revision: Solving equations with an unknown on both sides	
	Quick Test: Equations with unknowns on both sides	
<b>Index laws</b>	Revision: Index laws	Cover index laws and show students how they can be used to simplify algebraic expressions.
	Quick Test: Index laws	
<b>Surds</b>	Revision: Algebraic surds	Help students to perform calculations and simplify algebraic expressions involving surds.
	Quick Test: Algebraic surds	
<b>Averages from frequencies</b>	Revision: Averages of grouped data	Give students practice calculating averages from data grouped in frequency tables.
	Quick Test: Averages of grouped data	
<b>Error intervals</b>	Revision: Rounding errors	Help students to find the error interval for a rounded value and use the correct notation to write the interval.
	Quick Test: Rounding errors	
<b>Area and circumference of a circle</b>	Revision: Area of a circle	Provide students with practice recognising and using the correct formulas to calculate the area and circumference of a circle using either the diameter or the radius.
	Quick Test: Area of a circle	
	Revision: Circumference of a circle	
	Quick Test: Circumference of a circle	

## Maths: AQA Higher

Topic area	Doddle Resource	How it helps
<b>Completing the square</b>	Revision: Solving by completing the square	This pair of resources provides students with practice completing the square to solve quadratic equations.
	Quick Test: Solving by completing the square	
<b>Algebraic surds</b>	Revision: Algebraic surds	These resources help students to perform calculations and simplify algebraic expressions involving surds.
	Quick Test: Algebraic surds	
	Revision: Rationalising the denominator	
	Quick Test: Rationalising the denominator	
<b>Fractional indices</b>	Revision: Fractional indices	Help students to interpret fractional indices (including negative fractional indices) as roots and simplify expressions involving them with these resources.
	Quick Test: Fractional indices	
<b>Scale factor ratios and length</b>	Revision: Maps and scale drawings	Show students how to interpret scale factors given as ratios and use them to work out lengths.
	Quick Test: Maps and scale drawings	
<b>Functions</b>	Revision: Composite functions	This pair of resources provides students with practice combining functions and evaluating composite functions.
	Quick Test: Composite functions	
	Revision: Inverse functions	Help students to interpret function notation and find the inverse of a function with these interactive resources.
	Quick Test: Inverse functions	
<b>Trigonometry</b>	Revision: Solving trigonometry problems in 2D	These resources help students recognise and apply the correct trigonometric ratios and rules in 2D triangle problems.
	Quick Test: Solving trigonometry problems in 2D	

## Maths: Edexcel Foundation

Topic area	Doddle Resource	How it helps
<b>Arithmetic</b>	Revision: Multiplying by hand	Help students practice multiplication and division methods with whole numbers. Step-by-step solutions are included so that students can recognise where they are making arithmetic errors.
	Quick Test: Multiplying by hand	
	Revision: Dividing by hand	
	Quick Test: Dividing by hand	
<b>Standard form</b>	Revision: Standard form	Provide students with practice performing calculations using standard form numbers, and converting to and from standard form.
	Quick Test: Standard form	
	Revision: Standard form calculations	
	Quick Test: Standard form calculations	
<b>Angle relationships</b>	Revision: Angle properties	This pair of resources help students to learn and use angle facts to find missing angles around a point, on a line, or on parallel lines.
	Quick Test: Angle properties	
<b>Percentages</b>	Revision: Compound percentages	These resources provide students with practice using multipliers to work out percentage changes and compound percentage changes.
	Quick Test: Compound percentages	
<b>Trigonometry</b>	Revision: Important trigonometric values ( <a href="#">click here to try it free</a> )	Help students to remember the sine, cosine and tangent of common angles and use them to solve triangle problems without the use of a calculator.
	Quick Test: Important trigonometric values	
	Revision: Using sin, cos and tan to find angles	These resources provide students with practice in using the correct trigonometric ratio to find angles and lengths in right-angled triangles.
	Quick Test: Using sin, cos and tan to find angles	
	Revision: Using sin, cos and tan to find lengths	
	Quick Test: Using sin, cos and tan to find lengths	
<b>Venn diagrams</b>	Revision: Venn diagrams	This pair of resources provide students with practice reading and using Venn diagrams to answer questions.
	Quick Test: Venn diagrams	

## Maths: Edexcel Higher

Topic area	Doddle Resources	How it helps
<b>Negative and fractional indices</b>	Revision: Negative indices and reciprocals	This pair of resources help students to interpret negative indices and simplify expressions involving them.
	Quick Test: Negative indices and reciprocals	
	Revision: Fractional indices	Help students to interpret fractional indices (including negative fractional indices) as roots and simplify expressions involving them.
	Quick Test: Fractional indices	
<b>Rounding</b>	Revision: Rounding	These resources will help students with rounding numbers to a certain number of decimal places or significant figures.
	Quick Test: Rounding	
<b>Estimation</b>	Revision: Estimating	This pair of resources help students to appropriately choose rounded values for estimation.
	Quick Test: Estimating	
<b>Simplifying algebraic expressions</b>	Revision: Simplifying expressions	Provide students with practice in simplifying algebraic expressions by cancelling, multiplying out brackets, collecting like terms and using index laws.
	Quick Test: Simplifying expressions	
	Revision: Simplifying algebraic expressions	
	Quick Test: Simplifying algebraic expressions	
<b>Parallel and perpendicular lines</b>	Revision: Equations of parallel lines	Support students in finding the equations of lines that are parallel or perpendicular to another line.
	Quick Test: Equations of parallel lines	
	Revision: Equations of perpendicular lines	
	Quick Test: Equations of perpendicular lines	
<b>Simultaneous equations</b>	Revisions: Simultaneous equations in context	Give your students practice solving simultaneous equations in context, with a focus on being able to translate written information into algebra to form two simultaneous equations.
	Quick Test: Simultaneous equations in context	
<b>Error intervals and bounds</b>	Revision: Rounding errors	These resources require students to find the error interval for a rounded value and use the correct notation to write the interval.
	Quick Test: Rounding errors	
	Revisions: Upper and lower bounds	This pair of resources provide students with practice finding the upper and lower bounds of rounded values and using them in calculations.
	Quick Test: Upper and lower bounds	

## Maths: Edexcel Higher (cont.)

Topic area	Doddle Resources	How it helps
<b>Trigonometric values</b>	Revision: Important trigonometric values ( <a href="#">click here to try it free</a> )	Help students to remember the sine, cosine and tangent of common angles and use them to solve triangle problems without the use of a calculator.
	Quick Test: Important trigonometric values	
<b>Circle theorems</b>	Revision: Circle theorems	Help your students understand and prove circle theorems. The test includes questions for students to recognise and apply the correct circle theorems to find missing angles.
	Quick Test: Circle theorems	
	Revision: Proving circle theorems	
<b>Functions</b>	Revision: Composite functions	These resources will provide students with practice combining functions and evaluating composite functions.
	Quick Test: Composite functions	
	Revision: Inverse functions	This pair of resources help students to interpret function notation and find the inverse of a function.
	Quick Test: Inverse functions	
<b>Iterative process</b>	Revision: Approximating solutions using iteration	These resources will give students valuable practice in approximating solutions using different iteration methods.
	Quick Test: Approximating solutions using iteration	

## Maths: OCR Foundation

Topic area	Doddle Resource	How it helps
<b>Powers and roots</b>	Revision: Squares, cubes and roots	This pair of resources provide students practice finding the square, cube, square root and cube root of numbers.
	Quick Test: Squares, cubes and roots	
<b>Negative indices</b>	Revision: Negative indices and reciprocals	Help students to interpret negative indices and simplify expressions involving them with these resources.
	Quick Test: Negative indices and reciprocals	
<b>Factorising</b>	Revision: Factorising using common factors	These resources provide students with practice with factorising algebraic expressions, including quadratics.
	Quick Test: Factorising using common factors	
	Revision: Factorising $x^2 + bx + c$	
	Quick Test: Factorising $x^2 + bx + c$	
<b>Rearranging formulas</b>	Revision: Changing the subject of a formula	This pair of resources help students to change the subject of a formula step-by-step using inverse operations.
	Quick Test: Changing the subject of a formula	
<b>Inequalities</b>	Revision: Linear inequalities in one variable	Help students to rearrange and solve linear inequalities, and represent solutions on a number line.
	Quick Test: Linear inequalities in one variable	
<b>Simultaneous equations</b>	Revision: Linear simultaneous equations	These resources help students to form and solve simultaneous linear simultaneous equations.
	Quick Test: Linear simultaneous equations	
	Revision: Simultaneous equations in context	
	Quick Test: Simultaneous equations in context	
<b>Rounding</b>	Revision: Rounding	This pair of resources help students with rounding numbers to a certain number of decimal places or significant figures.
	Quick Test: Rounding	

## Maths: OCR Foundation (cont.)

Topic area	Doddle Resource	How it helps
<b>Estimation</b>	Revision: Estimating	Help students to appropriately choose rounded values for estimation.
	Quick Test: Estimating	
<b>Constructions and Loci</b>	Revision: Constructing perpendicular lines	This set of revisions cover standard construction and loci, providing students with step-by-step instructions.
	Revision: Constructing and bisecting angles	
	Revision: Constructing triangles	
	Revision: Loci	
<b>Financial maths</b>	Revision: Financial maths	This pair of resources help students to apply maths to problems with financial contexts, including calculating simple interest.
	Quick Test: Financial maths	
<b>Reverse percentages</b>	Revision: Original value problems	Provide students with practice in recognising problems that involve reverse percentages and how to solve them to find the original value.
	Quick Test: Original value problems	

## Maths: OCR Higher

Topic area	Doddle Resource	How it helps
<b>Scale factor ratios and length</b>	Revision: Maps and scale drawings	This pair of resources show students how to interpret scale factors given as ratios and use them to work out lengths.
	Quick Test: Maps and scale drawings	
<b>Reverse percentages</b>	Revision: Original value problems	This pair of resources provide students with practice in recognising problems that involve reverse percentages and how to solve them to find the original value.
	Quick Test: Original value problems	
<b>Trigonometric values</b>	Revision: Important trigonometric values ( <a href="#">click here to try it free</a> )	This pair of resources provide students with practice in recognising problems that involve reverse percentages and how to solve them to find the original value.
	Quick Test: Important trigonometric values	
<b>Fractional indices</b>	Revision: Fractional indices	This pair of resources help students to interpret fractional indices as roots and simplify expressions involving them.
	Quick Test: Fractional indices	
<b>Iterative process</b>	Revision: Approximating solutions using iteration	This pair of resources provide students with practice in approximating solutions using different iteration methods.
	Quick Test: Approximating solutions using iteration	