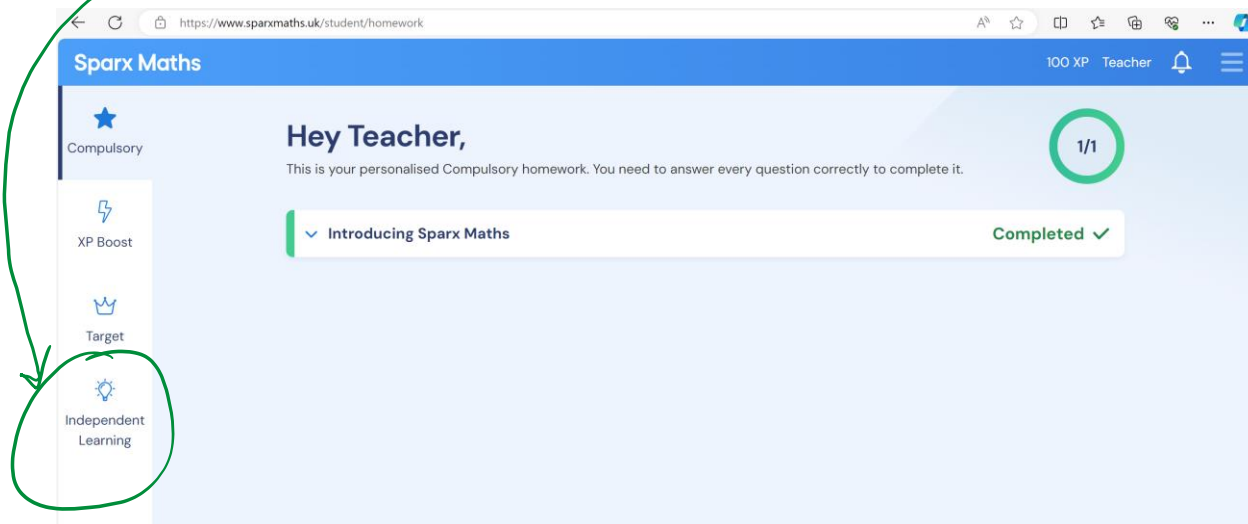


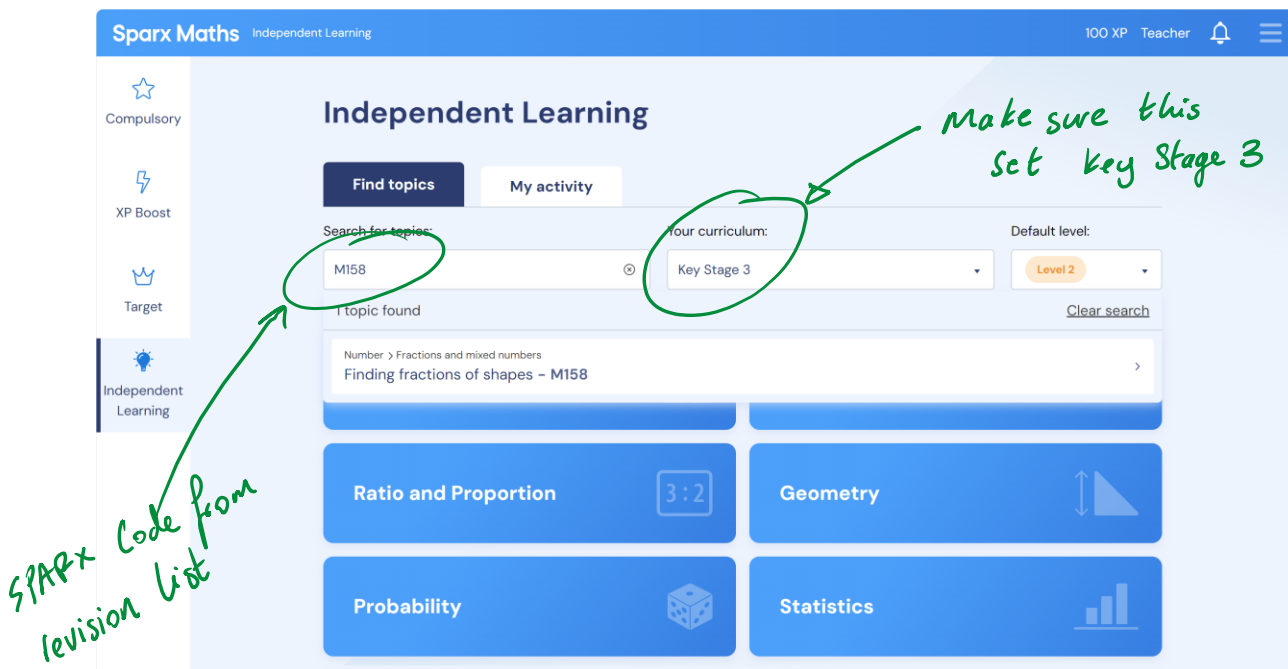
How to access independent learning on SPARX Maths

Step 1) Sign in to SPARX Maths in the normal way

Step 2) Go to Independent Learning on the left hand side



Step 3) Type in your selected SPARX Code and select



Step 4) Make sure to start on the Strengthen Questions, if you then struggle move to Introduce and if you do well then move onto the Deepen Questions

Finding fractions of shapes - M158

Level 2 ✓ ☆ ☆ - 1

Show building blocks

Finding fractions of shapes



Introduce

Question 1

Answer

Question 2

Answer

Question 3

Answer

Question 4

Answer

Question 5

Answer



Strengthen

Question 1

Answer

Question 2

Answer

Question 3

Answer

Question 4

Answer

Question 5

Answer



Deepen

Question 1

Answer

Question 2

Answer

Question 3

Answer

Question 4

Answer

If you struggle →

start here →

Push yourself →

Year 7 End of Year Assessment Topics		Sparx Codes	RAG*	Done
Numerical Skills	Understand and use place value for decimals. Calculations with negative numbers. Estimate calculations by rounding.	M763, M704, M522, M527, M135, M111, M431, M878		
Order of operations	Solve calculations requiring understanding of B-I-DM-AS (know that the inverse of squaring is 'square rooting')	M521		
Introduction to Algebra	Introduce the concept of algebra, simplify expressions, manipulate expressions through simple one step rearranging, substitute positive and negative integers into expressions, solve simple one step equations. Substitute and solve.	M106, M830, M813, M795, M531, M417, M327, M208, M979		
Primes, Factors and Multiples	Use the concepts and vocabulary of prime numbers, factors (or divisors), multiples, common factors, common multiples, highest common factor, lowest common multiple	M227, M823, M698, M322, M829		
Expanding and Factorising 1	Simplify and manipulate algebraic expressions to maintain equivalence by multiplying a single term over a bracket or by taking out common factors	M288, M237, M792, M100		
Addition and Subtraction	Use Addition and Subtraction, including formal written methods, applied to integers, decimals	M928, M429, M347, M152, M899		
Perimeter	Calculate and solve problems involving perimeters of rectangles and compound shapes (not circles). Converting metric units of length.	M920, M635, M690		
Mean	Describe, interpret and compare observed distributions of a single variable through the use of the mean	M940		
Multiplication and Division	Use Multiplication and Division, including formal written methods, applied to integers, decimals	M113, M911, M187, M803, M462, M354, M873, M262		
Area of triangles and quadrilaterals	Derive and apply formulae to calculate and solve problems involving area of triangles and quadrilaterals. Converting metric units of area.	M900, M390, M291, M610, M269, M996		
Fraction Manipulation	Express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1	M158, M410, M671, M939, M601		
Adding and Subtracting Fractions	Use addition and subtraction, including formal written methods, applied to proper and improper fractions, and mixed numbers	M835, M931		
Comparing and Ordering Fractions	Compare and order fractions by creating common denominators	M335, M958		
Fractions of amounts	Interpret fractions as operators	M695		
Polygons	Derive, describe, and illustrate properties of triangles, quadrilaterals and other plane figures. Describe, sketch, and draw regular polygons, and other polygons that are reflectively and rotationally symmetric example, equal lengths and angles using appropriate language and technologies	M276, M523		

Angles	Apply the properties of angles at a point, angles at a point on a straight line, vertically opposite angles	M502, M541, M780, M331, M818, M351, M679, M319		
Coordinates	Read and plot coordinates in all 4 quadrants. Coordinates and developing algebraic relationships. Find midpoints. Understand how coordinates link to basic graphs of $y=a$, $x=a$, $y=x$ and $y=-x$	M618		

* RAG stands for Red Amber Green – Red being topics you know you struggle with, Amber those you need to practice and Green ones that you are confident and secure on

Key areas of Revision:

- _____
- _____
- _____

Questions to ask my teacher

- _____
- _____
- _____