

Year 9 Maths KAT Revision Guide (H)

How to access independent learning?

The screenshot shows the Sparx Maths interface. On the left, there is a vertical menu with icons for 'Compulsory', 'XP Boost', 'Target', and 'Independent Learning'. The 'Independent Learning' option is highlighted with a black box. The main area displays a 'Hey!' notification for a 'Compulsory' homework assignment titled 'Introducing Sparx Maths' with a progress indicator of '0/1' and a 'Not started' status.

Search For Topics

This is where you enter your topic code.

Your Curriculum

- If the topic code starts with M select KS3
- If the topic code starts with U select GCSE

Independent Learning

The screenshot shows the 'Independent Learning' search interface. It has two tabs: 'Find topics' (selected) and 'My activity'. Below the tabs are three search fields: 'Search for topics:' (with a placeholder 'Enter topic name or code'), 'Your curriculum:' (with a dropdown menu set to 'Key Stage 3'), and 'Default level:' (with a dropdown menu set to 'Level 2'). Below these fields is a 'Select a topic:' section with six blue buttons: 'Number' (with a calculator icon), 'Algebra' (with an x^2 icon), 'Ratio and Proportion' (with a '3:2' icon), 'Geometry' (with a triangle and height icon), 'Probability' (with a die icon), and 'Statistics' (with a bar chart icon).

Difficulty Level

This should be set automatically but if no questions are available at your level you may need to change this to a higher or lower setting.

Small Step	Sparx Code
Rounding decimals	U298
Finding original values in percentage calculations	U286
Understanding and ordering decimals	U435
Understanding congruence	U790
Finding factors and using divisibility tests	U211
Using the correct order of operations	U976
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Using a calculator	U926
Using algebraic notation	U613
Sample space diagrams	M718
Frequency trees	U280
Converting units of length, mass and capacity	U388
Angles on a line and about a point	U390
Drawing pie charts, Sharing amounts in a given ratio, Angles on a line and about a point	U508,U577,U390
Interpreting pie charts	U172
Using a calculator	U926
Solving direct proportion word problems	U721
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Substituting into expressions, Multiplying and dividing with negative numbers	U201,U548
Plotting straight line graphs, Substituting into algebraic formulae	U741,U585
Using and interpreting linear real-life graphs, Substituting into real-life formulae	U638,U144
Using and interpreting linear real-life graphs, Substituting into real-life formulae	U638,U144
Finding averages from diagrams	U854
Writing probabilities as fractions, Interpreting bar charts	U408,U557
Constructing and solving equations	U599
Plans and elevations	U743
Finding error intervals	U657
Finding error intervals	U657
Equations of parallel lines	U377
Constructing bisectors of angles	U787
Writing and simplifying ratios	U687
Using Pythagoras' theorem in 2D	U385
Calculating speed from distance-time graphs	U462