

Year 10 Maths PPE1 Higher Revision Guide

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!' message, a progress indicator '0/1', and a dropdown menu for 'Introducing Sparx Maths' with 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' (active) and 'My activity'. Below the tabs are three input fields: 'Search for topics:' (with a placeholder 'Enter topic name or code'), 'Your curriculum:' (with a dropdown menu showing 'Key Stage 3'), and 'Default level:' (with a dropdown menu showing 'Level 2'). These three fields are highlighted with purple, green, and red boxes respectively. Below the input fields, there 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 right-angled triangle 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.

Topic	Sparx Code
Converting fractions to decimals	U550
Finding the midpoint of a line segment	U933
Linear sequences (nth term)	U498
Drawing quadratic graphs	U989
Finding the turning point of a quadratic graph	U667
Trigonometry	U283
Mutually exclusive events, solving linear equations	U683
Interpreting pie charts	U508
Comparing numbers in standard form	U330
LCM (worded problems)	U751
Finding the equation of a line from a graph	U741
Pythagoras' theorem, squaring algebraic expressions	U385
Using Pythagoras' theorem to make conclusions	U385
Percentage increase/decrease, calculating area, ratio	U671
Venn diagrams for probability, fractions of amounts	U476
3-way ratio problems	U577
Solving a quadratic equation	U665