

# Year 7 Maths KAT Revision Guide

## How to access independent learning?

The screenshot shows the Sparx Maths interface. On the left sidebar, there are four options: Compulsory (star icon), XP Boost (lightning bolt icon), Target (crown icon), and Independent Learning (lightbulb icon). The Independent Learning option is highlighted with a black box. The main area shows a 'Hey' notification for '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' (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'). 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.

**Codes****Green – Key knowledge from Year 7****Black – Knowledge required to be confident****Purple – Knowledge to ensure you excel**

<b>Small Step</b>	<b>Sparx Code</b>
Calculating with arithmetic sequences	U978
Adding fractions	U736
Comparing numbers	U594
Bank statements	M901
Frequency and bar charts	U363
Calculating averages	M940
Substitution using a calculator	U201
Direct proportion	M478
Compound area	U575
Simplifying an expression	U105
Adding mixed numbers	U793
Percentage of an amount	M905
Generating a sequence	U498
Comparing fractions and percentages	U594
Creating algebraic equations	M509
Calculating with arithmetic sequences	U978