

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:' (text input), 'Your curriculum:' (dropdown menu), and 'Default level:' (dropdown menu). The 'Search for topics:' field is highlighted with a purple box, 'Your curriculum:' with a green box, and 'Default level:' with a red box. Below these fields is a 'Select a topic:' section with six blue buttons: 'Number' (calculator icon), 'Algebra' (x^2 icon), 'Ratio and Proportion' (3:2 icon), 'Geometry' (triangle icon), 'Probability' (dice icon), and 'Statistics' (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**

Unit	Small Step	Sparx Code
Sequences	Describing Sequences	M241
	Completing Picture sequences	M381
Algebraic notation	Function machines	M175
	Simplifying expressions	M795
	Algebraic function machines	M428
	Substitution	M327
	Generating a sequence	M418
Equality and equivalence	Solving one step equations	M707
	Forming an equation	M957
	Collecting like terms	M531
Place value	Understand the place value of digits in a number	U735
	Calculate the median	U456
	Interpret place value tables	U735
	Label number lines	U922
	Calculate the range	U526
	Convert numbers in standard form	U600