

Students in Year 8 have recently done an End of Year Assessment in Maths.

They prepared for this by completing a “Low Stakes” assessment first which mirrored the proper one.

We then marked and corrected the low stakes which students were then able to use in their actual assessment.

Now students have received their assessments back, we wanted to follow this up with some guidance on how you can support your child over the summer holidays with closing some gaps, ready for the new academic year.

Below is a table listing the topics tested in the assessment, along with the codes for the most relevant Sparx tasks.

1. The correct table is found by looking for your child's Maths class.
2. Log into Sparx and click on “Independent Learning” in the bottom left corner.
3. Ensure the “Your Curriculum” box is set to Kay Stage 3.
4. The “Default level” box should already be set to your child's normal HL level, but this can be changed if you wish.
5. Look through your assessment to find the questions you got wrong and type the code found in the tables below into the “Search for topics” box.
6. Sparx will offer three levels of difficulty for each task. You can choose to answer any question and however many you want until you are more confident. Remember, every question also has a video tutorial attached to it.

Classes 8P4, 8G4 and 8S4

Q	Assessment topic	Code	Sparx topic (if slightly different)
1	Decimal arithmetic	M803	Multiply decimals
		M262	Dividing to get a decimal
2	Order of operations	M521	
3	Negative numbers	M106	Adding and subtracting with negatives
		M228	Multiplying and dividing with negatives
4	Rules of indices	M120	
5	Fraction arithmetic	M835	Adding and subtracting fractions
		M157	Multiplying fractions
6	Rounding and estimation	M994	Rounding using significant figures
		M878	Estimating calculations
7	Simplifying algebraic expressions	M531	
8	Forming algebraic expressions	M813	Algebraic notation
9	Expand and simplify single brackets	M792	
10	Basic probability	M941	
11	Listing outcomes	N/A	
12	Probability from diagrams	N/A	
13	Metric conversions	M774	
14	Recipes	M478	Solving proportion problems
15	Best buys	M681	
16	Sharing in a ratio	M525	
17	Plotting straight line graphs	M932	
18	Find the $n^{\text{th}}$ term	M991	

19	Convert percentages and decimals	M264	
20	Percentages of amounts	M437	
21	Solving 2-step equations	M855	

Classes 8P2, 8P3, 8G3, 8S2 and 8S3

<b>Q</b>	<b>Assessment topic</b>	<b>Code</b>	<b>Sparx topic (if slightly different)</b>
1	Decimal arithmetic	M803	Multiply decimals
		M262	Dividing to get a decimal
2	Prime factorisation	M108	
3	HCF/LCM	M365	
4	Rules of indices	M120	
5	Rounding and estimation	M994	Rounding using significant figures
		M878	Estimating calculations
6	Forming algebraic expressions	M813	Algebraic notation
7	Expand and simplify single brackets	M792	Expand and simplify single brackets
8	Expanding double brackets	M960	
9	Factorising single brackets	M100	
10	Mutually exclusive events	M755	Mutually exclusive events
		M206	Expected results
11	Sample space diagrams	M718	
12	Probabilities from diagrams	N/A	
13	Exchange rates	N/A	
14	Recipes	M478	Solving proportion problems
15	Best buys	M681	
16	Sharing in a ratio	M525	
17	Plotting straight line graphs	M932	
18	Using the $n^{\text{th}}$ term	M991	
19	Percentages of amounts	M437	
20	Reverse percentages	M528	
21	Solving 2-step equations	M855	
22	Solving double sided equations	M554	

Classes 8P1, 8G1, 8G2 and 8S1

<b>Q</b>	<b>Assessment topic</b>	<b>Code</b>	<b>Sparx topic (if slightly different)</b>
1	Prime factorisation	M108	
2	Rules of indices	M120	
3	HCF/LCM	M365	
4	Fraction arithmetic	M197	Multiplying with mixed numbers
		M336	Add and subtract algebraic fractions
5	Fractions of amounts	N/A	
6	Error intervals	M730	
7	Forming algebraic expressions	M813	Algebraic notation
8	Substitution	M327	
9	Expanding double brackets	M960	
10	Factorising single brackets	M100	
11	Mutually exclusive even	M755	Mutually exclusive events

		M206	Expected results
12	Frequency tables	M127	
13	Recipes	M478	Solving proportion problems
14	Sharing in a ratio	M525	
15	Combining ratios	N/A	
16	Plotting straight line graphs	M932	
17	Using the $n^{\text{th}}$ term	M991	
18	Percentage change using multipliers	M905	Finding percentage of amounts
		M533	Percentage change with a calculator
19	Reverse percentages	M528	
20	Solving 2-step equations	M855	
21	Solving double sided equations	M554	
22	Forming and solving equations	M957	