

| February Mock | Non-Calc | Topic | Sparx Code | Red | Amber | Green | Revised |
|--|---|--|--------------------|-----|-------|-------|---------|
| <ul style="list-style-type: none"> The most effective way of revising for a Maths assessment is to practice as many questions as you can on the topics that will appear on the assessment. The Independent Learning area of Sparx is ideal for this practice as it covers all topic areas, you can adjust the level of difficulty depending on how confident you are feeling, it gives you immediate feedback about how you are doing, and it supports you with a bespoke video for every single question! Start by self-evaluating (Red, Amber, Green) your confidence in each topic. Focus your revision on the topics you feel will be most beneficial. Work through the Sparx questions for a topic. If you are unable to answer a question you should watch the support video and then reattempt the question. If you are still unable to answer a question you should attend drop-in to seek further support. If you are finding a topic too challenging, then remember you can lower the difficulty level. If you are finding questions too easy, then you can increase the difficulty level. <p>Sparx Independent Learning GCSE (approx) Difficulty Levels</p> <p>Level 1 – if you are following the foundation course and feel you need support to make progress with your Maths work.</p> <p>Level 2 – if you are following the foundation course and are working at, or aiming for, a Grade 4.</p> <p>Level 3 – if you are following the foundation course or the higher course are working at, or aiming for, a Grade 5.</p> <p>Level 4 – If you are following the higher course and are aiming for a Grade 6 or Grade 7.</p> <p>Level 5 - If you are following the higher course and are aiming for a Grade 8 or Grade 9.</p> | | Using a written method to divide integers | U453 | | | | |
| | | Adding and subtracting integers | U417 | | | | |
| | | Converting units of length, mass and capacity | U388 | | | | |
| | | Writing numbers as percentages of other numbers | U925 | | | | |
| | | Finding fractions of amounts without a calculator | U881 | | | | |
| | | Rounding decimals | U298 | | | | |
| | | Four operations with negative numbers | U742 / U548 | | | | |
| | | Line and shape properties | U121 | | | | |
| | | Reading and plotting coordinates | U789 | | | | |
| | | Calculating with roots and powers | U851 | | | | |
| | | Sample space diagrams | U104 | | | | |
| | | Finding the lowest common multiple (LCM) | U751 | | | | |
| | | Using a written method to multiply & divide integers | U127 / U453 | | | | |
| | | Calculating the range, calculating the median | U526 / U456 | | | | |
| | | Choosing suitable averages and solving problems | U717 | | | | |
| | | Finding percentages of amounts without a calculator | U554 | | | | |
| | | Substituting into real-life formulae | U144 | | | | |
| | | Ordering fractions / Constructing fractions | U746 /U163 | | | | |
| | | Sharing amounts in a given ratio | U577 | | | | |
| | | Converting between ratios, fractions and percentages | U176 | | | | |
| | | Using a written method to divide integers | U453 | | | | |
| | | Using a written method to multiply decimals | U293 | | | | |
| | | Understanding congruence | U790 | | | | |
| | | Four operations with integers | U417 / U127 / U453 | | | | |
| | | Term-to-term rules | U213 | | | | |
| | | Finding the area of triangles | U945 / U519 | | | | |
| | | Translation / Enlargement by a positive scale factor | U196 | | | | |
| | | Finding error intervals | U657 | | | | |
| | | Drawing / Interpreting line graphs | U590 / U193 | | | | |
| | | Estimating calculations, Surface area of cones | U225 / U523 | | | | |
| | Adding and subtracting fractions, Multiplying fractions | U736 / U475 | | | | | |
| | Solving equations with the unknown on both sides | U870 | | | | | |
| | Reading & drawing inequalities on number lines | U509 | | | | | |
| | Solving single inequalities | U759 | | | | | |