

| Year 9 | Videos and worksheets | RAG | Tick when revision is complete |
|---|--------------------------|-----|--------------------------------|
| 9aMa4 and 9bMa4 Revision List* | | | |
| 7.12 Sequences | | | |
| Continue a linear sequence | 286 | | |
| Continue a non-linear sequence | 287a | | |
| Describe a rule to continue a sequence | video | | |
| Solve problems involving continuing a sequence | | | |
| 7.11 Angles | | | |
| Identify fluently angles at a point, angles at a point on a line and vertically opposite angles | 30 | | |
| | 35 | | |
| | 39 | | |
| Calculate missing angles on a straight line and round a point | | | |
| Know that angles in a triangles total 180° | | | |
| Find missing angles in triangles | 37 | | |
| Explain reasoning by naming angles correctly | 38 | | |
| Know how to find the angle sum of any polygon beginning with a triangle being 180 | | | |
| Know how to find the size of one angle in any regular polygon | 32 | | |
| 7.13 Calculating with Fractions, Decimals and Percentages | | | |
| Add and subtract proper fractions | 132 | | |
| | 133 | | |
| | 142 | | |
| Multiply and divide proper fractions | 134 | | |
| Add and subtract mixed numbers | video | | |
| Multiply and divide mixed numbers | | | |
| Calculate percentages using multipliers | | | |
| Work out the multiplier for a percentage increase or decrease | 239 | | |
| Calculate percentage change | 233 | | |
| 7.14 Solving Equations | | | |
| Solve an equation using balancing when: | | | |
| -the solution is a fraction | 110 | | |
| -there are two steps | | | |
| -there are brackets | video | | |
| -the unknown is on both sides | | | |
| -the unknown is on both sides and there are brackets | | | |
| -check the solution by substituting it back in | | | |
| 7.15 Calculate using areas and volumes | | | |
| Calculate the perimeter of a 2D shape | 241 | | |
| Calculate the area of a | | | |
| rectangle | 45 | | |
| triangle | 49 | | |
| parallelogram | 44 | | |
| trapezium | 48 | | |
| composite shape | 41 | | |
| Calculate the surface area of a cuboid | 310 | | |
| Find missing lengths when the volume is known | | | |
| 7.16 Using graphs and transformations | | | |
| | 192 | | |
| Write the equation for a horizontal or vertical line | 193 | | |
| Draw and recognise the lines $y=x$ and $y=-x$ | | | |
| Reflect shapes in the lines $y=x$ or $y=-x$ | 272 | | |
| Name the equation for the mirror line of a reflection | | | |
| Describe a translation using a vector | 325 | | |
| Rotate a shape using the angle, direction and centre | 275 | | |
| 7.17 Presentation of Data | | | |
| Construct frequency tables using inequality symbols | | | |
| Construct and interpret pictograms and bar charts | 162 | | |
| Draw and interpret pie charts | 163 | | |
| 7.18 Measuring Data | | | |
| Calculate the mode from a list of numbers | 56 | | |
| Calculate the median from an odd or even amount of numbers | | | |
| Calculate the mean from a list of numbers | | | |
| Calculate the range of a set of data | | | |
| Use the mean to find a missing number in a list | | | |
| Estimate the mean from a frequency table | 54 | | |
| Find the modal class from a frequency table | video | | |
| Work out the class containing the median | 51 | | |
| Analyse and compare sets of data using an average and the range | bitesize | | |
| 8.1 The number system | | | |
| Know the definition of a prime number | 225 | | |
| Be able to calculate whether a number up to 100 is prime | | | |
| Write a number as a product of prime factors | 223 | | |
| Find the Highest Common Factor of two numbers | 224 | | |
| Find the Lowest Common Multiple of two numbers | | | |

| | | | |
|---|-----------------------|--|--|
| Round numbers to a determined number of significant figures | 279a | | |
| Use rounding to estimate answers to questions | 215 | | |
| Write numbers in standard form with positive and negative powers of 10 | 300 | | |
| 8.2 Number operations | | | |
| Perform addition and subtraction calculations when dealing with negative numbers | 205 | | |
| Perform multiplication and division calculations when dealing with negative numbers | 206 | | |
| | 207 | | |
| Be able to accurately square or cube negative numbers | Video | | |
| Substitute negative numbers into algebraic expressions | 20 | | |
| Know that powers and roots fall under the "Indices" within BIDMAS | 211 | | |
| Complete BIDMAS calculations accurately with powers and roots | | | |