




MONT SAYE MATHEMATICS HOME LEARNING SUPPORT Year 9 Foundation



You currently need to do your learning from home. There is a range of resources ready for you to use on the topics you have been studying in your **Maths** lessons. The tables below contain the relevant topics on the Kerboodle website with the relevant text books and support videos.

- Work out which term we are in by checking the date.
- Work out which set you are in which will be on your timetable.
- Log onto Kerboodle using your first name initial and your surname. Your password is what you set it as (initially it is the same as your login). E.g.: Isaac Newton would be INewton. The institution code is **fry0**
- Find out which lesson you are on and watch the video that goes with that lesson (click the video icon at the top of the page). Complete the questions on the right hand page for the lesson.
- *If you need to email your teacher type their initial and surname + @montsaye.northants.sch.uk* **msmith/ msipple / jellis / gurwin / shoche / rpierce / gbaria / jmayers / tgrowcock / lfernandez**

Lessons usually include a video explaining the main ideas and then you need to follow instructions to complete some written work. Remember, if you need extra support you can go to www.mymaths.co.uk and type the code on the text book page (the links are mostly in the table), re-watch the video, email your teacher, check another source such as BBC bitesize, if you forget your password for www.mymaths.co.uk then email your teacher asking for it.

	Term 1: Sep-Oct	Term 2: Nov-Dec	Term 3: Jan- Feb	Term 4: Feb-Mar	Term 5: Apr-May	Term 6: Jun-Jul
Year 9 Foundation 9xMa4 9yMa3 	1a. Powers of 10 1b. Rounding 1c. Order of operations 1d. Multiples, factors, divisibility and prime numbers 1e. Prime factors, the HCF and the LCM 1f. Ordering decimals 2a. Metric measures 2b. Imperial measures 2c. Area 2d. Area of a triangle 2e. Area of a parallelogram 2f. Circumference of a circle 3a. Simplifying expressions 3b. Using brackets 3c. Formulae 3d. Making expressions	4a. Adding and subtracting fractions 1 4b. Adding and subtracting fractions 2 4c. Fraction of a quantity 4d. Multiplying and dividing fractions 4e. Fractions and decimals 4f. Percentage of a quantity 4g. Percentage problems 4h. Financial maths 1 : Percentage change 5a. Angles and lines 5b. Angles in a triangle 5c. Properties of triangles 5d. Angles in a quadrilateral 5e. Properties of quadrilaterals 6a. Horizontal and vertical lines 6b. Tables of values 6c. Drawing straight-line graphs 6d. Problem solving using straight-line graphs 6e. Straight line rules 6f. Interpreting real-life graphs 6g. Time-series graphs 7a. Addition and subtraction 7b. Mental multiplication and division 7c. Written multiplication 7d. Written division 7e. Estimating and approximating 7f. Using a calculator	8a. Designing a survey 8b. Collecting data 8c. Frequency tables 8d. Bar charts 8e. Pie charts 8f. Calculating averages 8g. Scatter diagrams 8h. Frequency diagrams 8i. Writing a statistical report 9a. Reflection and rotation symmetry 9b. Reflection 9c. Translation 9d. Rotation 9e. Enlargement 9f. Enlargement through a centre 9g. Scale drawings 10a. Equality and inequality 10b. Solving equations 10c. Balancing equations 1 10d. Balancing equations 2 10e. Writing equations	11a. Square numbers and square roots 11b. Using square numbers and square roots 11c. Indices 11d. Standard form 12a. Using a protractor 12b. Perpendicular lines 12c. Perpendicular bisectors 12d. Angle bisectors 12e. Constructing triangles 12f. Bearings	13a. Term-to-term rules 13b. Position-to-term rules 13c. The nth term of a formula 13d. Recursive sequences 14a. Three-dimensional shapes 14b. Nets 14c. Plans and elevations 14d. Volume of a cuboid 14e. Shapes made from cuboids 14f. Surface area of a cuboid	15a. Ratio 15b. Dividing in a given ratio 15c. Ratio and proportion 15d. Percentages and proportion 15e. Proportional reasoning 15f. Financial maths 2 : Living on a budget 16a. Probability 16b. Mutually exclusive events 16c. Theoretical probability 16d. Counting outcomes 16e. Two events 16f. Probability experiments 16g. Venn diagrams