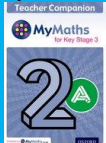# MONTSAYE MATHEMATICS HOME LEARNING SUPPORT Year 8 Foundation

MyMaths

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 8 Foundation 8xMa4 8yMa3	1a. Negative numbers 1b. Multiples and factors 1c. Common factors 1d. Prime numbers 1e. Ordering decimal numbers 1f. Rounding 1g. Square numbers 1h. Square numbers and square roots 2a. Metric measure 2b. Metric and money conversions 2c. Other units of measure 2d. Reading scales 2e. Perimeter and area 2f. Area of a rectangle 2g. Shapes made from rectangles 3a. Using symbols 3b. Substitution 3c. Simplifying expressions 3d. Expanding brackets 3e. Simplifying harder expressions 3f. Formulae 3g. Writing a formula	4a. Fractions 4b. Fractions and decimals 4c. Adding and subtracting fractions 4d. Fraction of a quantity 4e. Finding 10 percent 4f. Percentages 4g. Fractions, decimals and percentages 5a. Angles 5b. Opposite angles 5c. Properties of triangles 5d. Angles in a triangle 5e. Parallel lines 5f. Properties of quadrilaterals 6a. Coordinates in four quadrants 6b. Coordinates and straight lines 6c. Drawing graphs 6d. Horizontal and vertical graphs 6e. Real-life graphs 6f. Conversion graphs 6g. Graphs and formulae 7a. Order of operations 7b. Mental addition and subtraction 7c. Mental multiplication and division 7d. Addition and subtraction problems 7e. Multiplication and division problems	8a. Planning a survey 8b. Collecting data 8c. Frequency tables 8d. Bar charts 8e. Pie charts 8f. Mode, median and range 8g. The mean 8h. Averages from frequency tables 8i. Comparing data sets 8j. Statistical reports 9a. Reflection 9b. Reflection symmetry 9c. Rotation 9d. Rotation symmetry 9e. Translation 9f. Tessellation 10a One-step equations 10b. Equation puzzles 10c Two step equations 10d. Making equations	11a. Written addition and subtraction 11b. Written multiplication 11c. Written division 11d. Written arithmetic problems 11e. Calculator skills 11f. Interpreting the display 12a. Lines and angles 12b. Constructing a triangle 1 12c. Constructing a triangle 2 12d. Scale drawing	13a. Term-to-term rules 13b. Position-to-term rules 13c. Real-life sequences 13d. Triangle numbers 14a. 3D shapes 14b. Isometric drawings 14c. Nets of 3D shapes 14d. Surface area of a cuboid 14e. Volume of a cuboid	15a. Simplifying ratios 15b. Dividing into ratios 15c. Proportion 15d. Proportion problems 15e. Ratio and proportion problems 15f. Comparing proportions 15g. Calculations involving money 16a. Likelihood and chance 16b. The probability scale 16c. Equally likely outcomes 16d. Experimental probability 16e. Venn diagrams