



Mathematics

Autumn Term

Year 5

In this booklet you will find information about what your child will be covering in Maths in the Autumn Term. To reach the expected standard by the end of the year pupils should be able to understand and apply these skills. The back page has information on how you can help your child to achieve these expectations.



Autumn Term

First Half



- Add and subtract whole numbers with more than 4 digits using column methods.
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Solve problems involving multiplication and division using knowledge of factors, doubles and halves, and times-tables.
- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
- Add and subtract numbers mentally with increasingly large numbers.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Solve problems involving numbers with up to three decimal places.
- Solve problems involving converting between units of time.
- Convert between different units of metric measure.
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.



Autumn Term

Second Half



- Multiply and divide numbers mentally drawing upon known facts.
- Multiply numbers up to 4 digits by a one- or two-digit number using short or long division.
- Divide numbers up to 4 digits by a one-digit number using short division and interpret remainders appropriately for the context.
- Add and subtract whole numbers with more than 4 digits using column addition.
- Identify, name and write equivalent fractions of a given fraction.
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
- Draw given angles, and measure them in degrees.
- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.
- Identify: angles at a point and one whole turn (total 360°), angles at a point on a straight line and $1/2$ a turn (total 180°) and other multiples of 90° .
- Round any number up to 1000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.
- Compare numbers with the same number of decimal places up to two decimal places.
- Add and subtract numbers mentally with increasingly large numbers.
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.



How can you help your child?



- **Mymaths**— This is a maths based website. Each pupil has their own login and password for this website. The website contains a wealth of resources and games for pupils to practise and consolidate learning from the classroom. This website is also often used as a homework resource.
- **Homework**—Pupils will receive one piece of Maths homework each week. This homework will be given out on a Friday and will be due in the following Friday. All details should be written in your child's homework diary. Homework will either be paper based homework or on Mymaths. Your support with this is invaluable.
- **Times Tables**—Knowing times tables thoroughly will help your child in all area of Maths. Pupils will have times tables tests every other week—please help by helping your child learn them. There are many ways of doing this—times tables apps, games etc. See school website for more details.
- **Calculations** - There is a big emphasis in the new curriculum on using formal methods for calculating. Solid foundations of the four calculation methods (addition, subtraction, multiplication and division) will help your child greatly when applying these skills to word problems and problem solving. For more information on how we teach these methods please see our calculation policy on the school website.
- **Play games and talk maths**— Spend time with your child playing mathematical games and talking about Maths we meet everyday in real-life situations. Make your child realise Maths is fun and necessary for everyday life!

Thanks for all your support, please don't hesitate to get in touch if you have any questions or queries.