

Year 5 Autumn Term Maths Targets

By the end of the Autumn Term, most children should be able to do the following:

Numbers to 1,000000

- Read and write numbers to 1000000
- Tell the place value of a digit in a number.
- Compare and arrange numbers within 1000000.
- Count forwards and backwards in steps of 1000, 10,000 and 100,000.
- Rounding numbers to the nearest 0, 100,1000, 10000 and 100,000.

Whole numbers: addition and subtraction.

- Add whole numbers with more than 4 digits.
- Add numbers mentally.
- Subtract whole numbers with more than 4 digits.
- Subtract numbers mentally.
- Use rounding to check answers.

Whole numbers: multiplication and division

- Find multiples and common multiples.
- Find factors and common factors.
- Identify prime and composite numbers.
- Recognise square numbers and cube numbers and use the notation for squares and cubes.
- Multiply numbers up to 4 digits by a 1 digit number.
- Multiply numbers up to 3 digits by a 2 digit number.
- Multiply and divide mentally.
- Multiply and divide numbers by 10, 100 and 1000.

Year 5 Spring Term Maths Targets

By the end of the Spring Term, most children should be able to do the following:

Division continued

- Divide 3 digit and 4 digit numbers.

Whole number: Word problems

- Solve word problems involving addition, subtraction, multiplication and division and a combination of these.

Graphs

- Read and interpret information in a timetable.
- Read, interpret and complete information in a table.
- Read and interpret information from a line graph.
- Solve word problems using information from a line graph

Fractions

- Find equivalent fractions of a given fraction.
- Recognise mixed numbers and improper fractions and convert from one form to the other.
- Compare and order fractions.
- Add and subtract fractions.
- Multiply proper fractions and mixed numbers by whole numbers.

Year 5 Summer Term Maths Targets

By the end of the Summer Term, most children should be able to do the following:

Decimals

- Read and write decimals up to three decimal places.
- Compare and order decimals up to three decimal places.
- Write fractions as decimals.
- Add and subtract decimals.
- Round decimals with two decimal places to the nearest whole number and to one decimal place.
- Solve problems involving decimals up to three decimal places.

Percentages

- Recognise the per cent symbol (%)
- Find percentages of a given number.
- Interpret a percentage as a fraction of an amount.

Geometry

- Identify acute angles, right angles, obtuse angles and reflex angles.
- Draw and measure given angles.
- Identify angles on a straight line and angles that meet at a point.
- Find unknown angles in squares and rectangles.
- Identify regular polygons.
- Identify 3-D shapes from 2-D drawings.

Position and Movement

- Write the coordinates of points.
- Describe translations and reflections.
- Find the position of a shape after translation or after reflection.

Units of measurement

- Convert measurements of length.
- Convert measurements of mass.
- Convert measurements of time.

- Tell temperature.
- Solve problems involving measurements.

Area and perimeter

- Find the perimeter of a figure.
- Find the area of a figure.
- Use scale diagrams to find the perimeter and the area of a figure.

Capacity and Volume

- Find and compare volume of solids.
- Find and compare the capacity of rectangular boxes.
- Estimate volume and capacity.
- Convert units of volume.
- Solve word problems involving volume.

Roman Numerals

- Write Roman numerals up to 1000.
- Write years in Roman numerals.