



Maths: what will your child learn in year 5?

Number and Place Value:

- Reading, writing, ordering and comparing numbers to at least 1,000,000
- Counting forwards and backwards with positive and negative numbers
- Rounding any number up to one million to the nearest 10, 100, 1000, 10,000, 100,000

Calculating:

- Adding and subtracting with numbers up to four digits using column addition and subtraction
- Identifying factors and multiples of different numbers
- Identifying prime numbers
- Multiplying four-digit numbers with two-digit numbers using long multiplication
- Dividing four-digit numbers by one-digit numbers using short division
- Multiplying whole numbers and decimals by 10, 100 and 1000
- Recognising and using square numbers and cube numbers
- Solving problems involving all four operations

Fractions and decimals:

- Comparing and ordering fractions whose denominators are all multiples of the same number
- Converting from mixed numbers to improper fractions
- Adding and subtracting fractions whose denominators are multiples of the same number
- Multiplying proper fractions and mixed numbers by whole numbers
- Rounding decimals with two places to the nearest whole number and to one decimal place
- Comparing numbers with up to three decimal places
- Beginning to understand percentages
- Knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$ and $\frac{4}{5}$

Measurement:

- Converting between units of measurement
- Working out the perimeter and area of shapes (including irregular shapes)
- Solving problems involving money and measures
- Solving problems involving converting between units of time

Geometry:

- Drawing and measuring angles
- Finding angles around a point, on a straight line and within a right angle

Statistics:

- Solving comparison, sum and difference problems using information presented in a line graph
- Completing and interpreting information in tables, including timetables



Maths at home:

- Continue to practise rapid recall of times tables up to 12 x 12. Display a times tables poster on the fridge, chant the times tables on the way to school, practise online using games on timestables.co.uk or [hit the button](#)
- Play games such as 'Countdown' where children will need to use all four operations
- If your child gets pocket money / birthday money etc, encourage them to keep a running total of their savings and money they have spent. Encourage them to work out how long it will take them to save for an item they want to buy
- When following a recipe, encourage children to work out the weights and measurements for half / double the recipe, based on how many people will be eating
- Time – encourage you child to convert time between 12 hour and 24 hour clocks. Convert from analogue to digital or vice-versa
- Work out how many weeks, day, hours to an event
- Read time tables, for example swimming pool or train timetables to work out a journey or plan events

