

## **Year 5 maths: what your child learns**



By Year 5, children should be confident with one- and two-step problems and using addition, subtraction, multiplication and division, and they will be able to decide on the best way of solving a problem.

There is still a focus on times tables, as not all children are completely sure of these. Set squares and protractors are being used for work with angles and shapes, and percentages are introduced now.

Children will be practising their mental maths, as well as using written and practical methods to help them calculate. It's also important for the children to see how their maths work links to life outside school, and to other areas of the curriculum.

### **Year 5 maths – your child will be:**

#### **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, decimals and percentages**

- 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  $\frac{4}{5}$

## **Measuring**

- 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

## **Try this at home**

- If your child has a watch, encourage them to wear it and get in the habit of looking at the time – it could be analogue or digital
- Card games are perfect for playing with numbers. If you're struggling to remember the games you played as a child, try asking the grandparents!
- Most children love cooking. Following a simple recipe will give them valuable practice in measuring and weighing the ingredients and calculating cooking time. If you want to make it trickier, ask them to double or halve the quantities.