Mathematics in Year 3
A guide for parents

During the years of lower Key Stage 2 (Year 3 and 4), the focus of mathematics is on the mastery of the four operations (+, -, x and ÷) so that children can carry our calculations mentally, and using writing methods.

Number and Place Value

- Count in multiples of 4, 8, 50 and 100
- Recognise the place value of digits in three-digit numbers (using 100,10s and 1s)
- Read and write numbers up to 1,000 using digits and words
- Compare and order numbers up to 1,000

Calculations

- Add and subtract numbers mentally, including adding either 1s, 10s or 100s to a 3-digit number
- Use standard column method for addition and subtraction up to three digits
- Estimate the answer to calculations and user the inverse calculations to check answers
- Learn the 3x, 4x and 8x tables and the related division facts, for example knowing that 56 ÷ 8 = 7
- Begin to solve multiplication and division problems with two-digit numbers

Fractions

Equivalent fractions are fractions which have the same value, such as $\frac{1}{2}$ and $\frac{3}{6}$ or $\frac{1}{4}$ and $\frac{2}{8}$

- Understand and use tenths, including counting in tenths
- recognise and show equivalent fractions with small denominators
- add and subtract simple fractions worth less than 1 for example $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$
- Put a sequence of simple fractions into size order

Measurements

- Solve simple problems involving adding and subtracting measurements such as length and weight
- Measure the perimeter of simple shapes
- Add and subtract amounts of money, including giving change
- Tell the time to the nearest minute using an analogue clock
- Use vocabulary about time, including a.m. and p.m., hours, minutes and seconds
- Know the number of seconds in a minute and the number of days in a year or leap year

Shape

- Draw familiar 2-d shapes and make familiar 3-d shape models
- Recognise right angles, and know that these are a quarter turn, with four making a whole turn
- Identify whether an angle is greater than, less than or equal to a right angle
- Identify horizontal, vertical, perpendicular and parallel lines

Parallel lines are those which run alongside each other and never meet.
Perpendicular lines cross over each other meeting exactly at right angles

Graphs and Data

- Present and understand data in bar charts, tables and pictograms
- Answer questions about bar charts that compare two pieces of information

At Hempshill, we follow a mastery approach. This is where we aim to ensure all pupils have mastered key concepts before moving onto the next topic. We do this by breaking the learning into small steps allowing children the time to understand the concept and gain confidence.

Parent Tip

Check our calculation policy which sets out the order which calculation strategies are taught.

You could also: play maths games at home, encourage children to tell the time or buy items from the shop, give children calculations in columns and remind them to get the numbers carefully.

Times tables Rockstars and Numbots are great apps to help children improve their mental maths skills.