

Maths

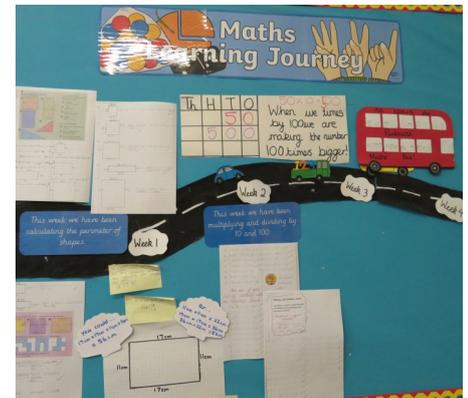
At Sandhurst Primary School it is our intent that every pupil develops a lifelong love of mathematics and problem solving across the curriculum. We aim to develop a sense of enjoyment and curiosity and provide a programme for progression where all of our pupils are stimulated and challenged, learning key skills and developing their knowledge at an ever increasing level of challenge.

We focus on teaching mental calculation with the aim that children will develop a strong sense of number and place value, using a range of resources to support their learning. We use a mastery approach and ensure that all classes have a consistent approach to the teaching of written calculations in order to establish continuity and progression throughout the school.



It is vital that pupils are able to apply their knowledge and skills to reason mathematically and solve numerical problems, as well as explain their thinking and methods clearly. All pupils have access to a wide range of manipulatives and prompts in every classroom and a weekly mathematical journey is displayed to support this learning. Problem solving is often linked to humanity or science work to make important cross-curricular links.

Pupils are encouraged to learn key number facts, such as, number bonds and multiplication facts from the very start of their education. We also set weekly home learning challenges using the Schofield and Sims series (differentiated for each child) to support learning in school.



All pupils will be taught mathematics based on the new National Curriculum for Mathematics. The programme of study aims to ensure that all pupils:

- **become fluent in the fundamentals of mathematics**, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- **can solve problems by applying their mathematics** to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.