

Number fluency, reasoning and problem solving

Most children in the school are taught in mixed ability groups/classes for maths. In Years 5 and 6 the most able mathematicians are organised into a separate “set” where the focus is on understanding their curriculum in much greater depth.

Daily lessons across the school are designed to ensure that children become fluent and confident in carrying out all the maths concepts in the National Curriculum, while developing their ability to reason about processes (explain what they are doing) and apply their knowledge to complex and challenging problem solving.

Calculation Methods

This concise booklet outlines the methods for addition, subtraction, multiplication and division that are taught to the children as they progress through the schools from Year 1 to Year 6

([Link to Calculation Methods booklet](#))

Examples: Year 5

Fluency

Calculate:

$$1638 + 2517$$

$$4023 - 2918$$

Reasoning

A five digit number and a four digit number have a difference of 4365. Give me three possible pairs of numbers.

Problem Solving

There are 1231 people on an aeroplane. 378 people have not ordered an inflight meal. How many people have ordered the inflight meal? Give your answer to the nearest hundred.



Times Tables Challenge

Children are now expected to know all their times table facts “by heart” by the end of Year 4.

The school’s Times Table Challenge initiative supports this process.

Each child has a special booklet to record their progress in and for each stage they complete they are awarded a special pin badge to wear with pride on their sweatshirt.

The 2017-18 challenge will begin after October half term.

