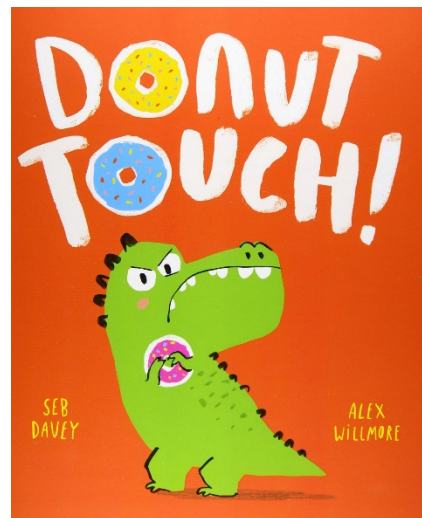


INCLUDED

This half term at All Saints' we had a special whole school 'Maths Through Stories Day', where we explored the benefits of teaching and learning mathematics through stories!


The day was kicked started by the whole school enjoying the book 'Donut touch!' by Seb Davey in Collective Worship. Poor Mikey, the dinosaur, was cross when his donuts kept disappearing, but in the end he was happy to share them with his friends!

Different challenges were set, which meant that each year group could be involved and included in the session, demonstrating the breadth and wealth of maths activities that can come from just one story book.

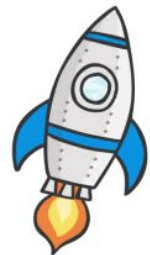
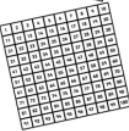
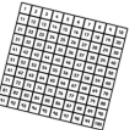
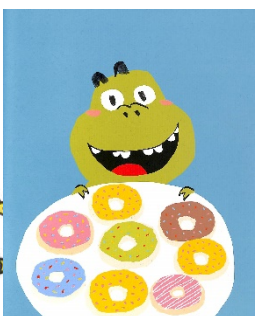


Year 5 and 6

You have the same calculations to solve, but I would like you to explain how you worked out the answer using a representation, such as a bar model, a part-part, whole model or other diagram?



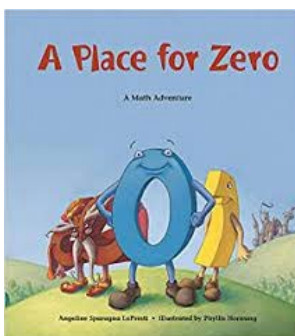
Oh donut Mikey is really sad! Turn the page without touching the donuts and making him more upset!



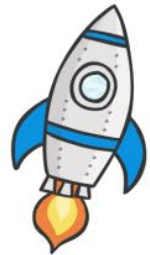
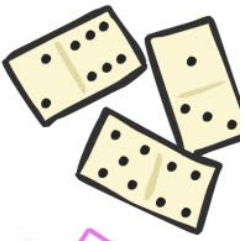
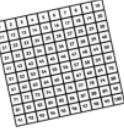
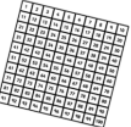
INVOLVED

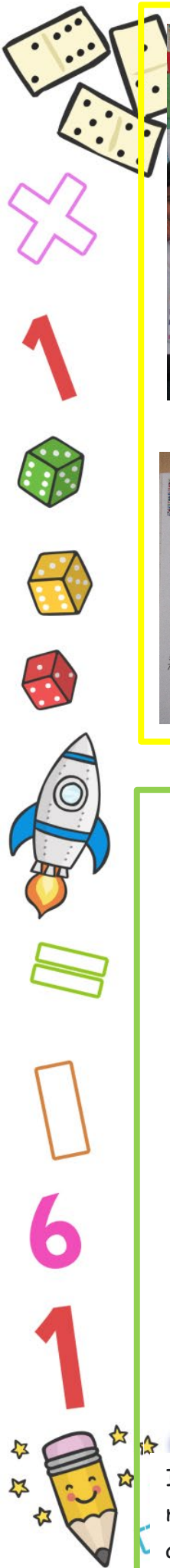
Following Collective Worship, the children went off to their own classroom's, where they enjoyed a selection of different stories, covering a wide range of topics, and participated in a great variety of different maths learning activities, puzzles and games.

Reception class was inspired by the story 'Superworm' to make their own worms, which they then compared and put in length and weight order.

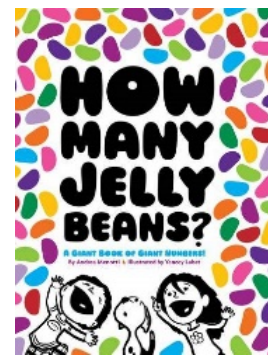
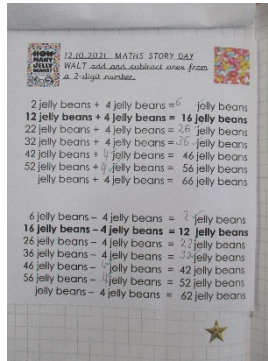
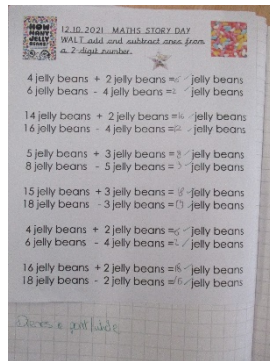
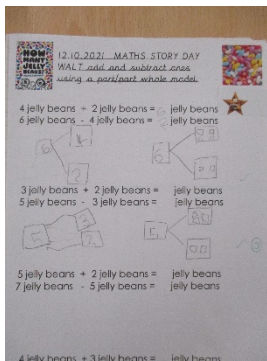


Year 1 enjoyed the story 'A Place for Zero'. It was jammed full of numbers and the children particularly enjoying guessing what was going to happen next in the story. The class learned about the role of zero linked to place value; sequenced numbers, not forgetting the zero; and looked at role of zero in counting in tens.

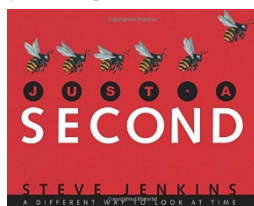




After enjoying the book 'How Many Jelly beans?', Year 2 estimated how many jelly beans Mrs Jordan had in her jar and they used part/part whole models and Dienes to complete jelly bean addition and subtraction work. The children were really impressed by the book and are looking forward to eating the jelly beans in Mrs Jordan's jar!



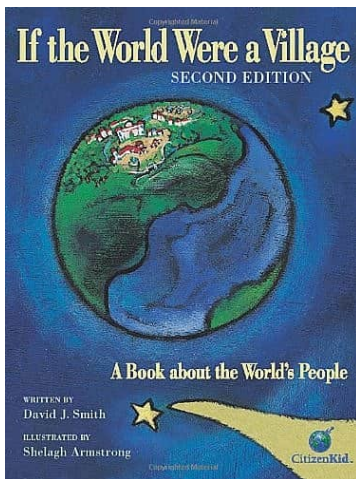
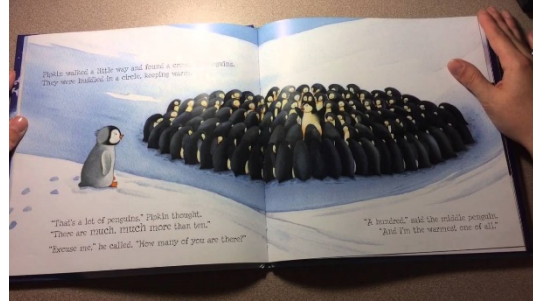
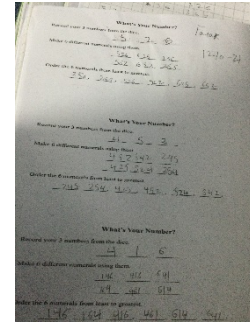
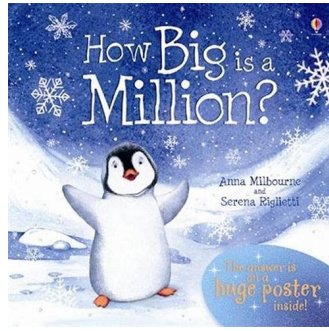
Year 3 had a record breakers competition morning based on the book 'Just a Second'. They completed a variety of timed challenges and compared their achievements; creating a whole class scoreboard. The challenges including copying a pattern onto a peg board, collecting grains of rice using a pinching action, speed stacking and putting numbers in order.



In the afternoon, the class linked maths to their history topic and looked at Roman numerals.



Year 4 had a wonderful book called 'How big is a million' by Anna Milbourne. The children looked at the relationships numbers have and their place value and then did lots of counting activities, ordering numbers, seeing patterns and played games with dice!



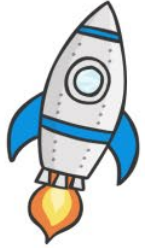
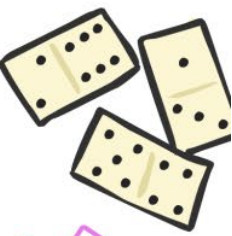
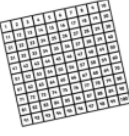
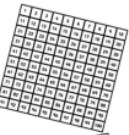
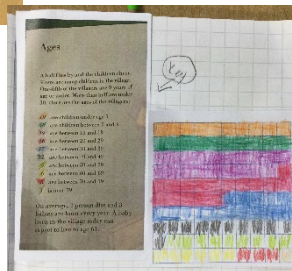
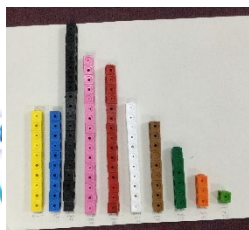
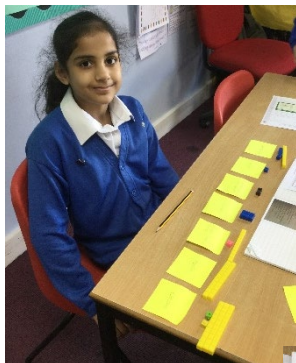
Year 5 met the people of the global village, through the book 'If The World Were A Village'. They imagined the world's population of over 7 billion as a village of just 100 people. Year 5 looked at data relating to the villager's nationalities, age, religion and language and consider and experimented with how this data could be represented in different ways, including through graphs, pictograms and various maths manipulatives.

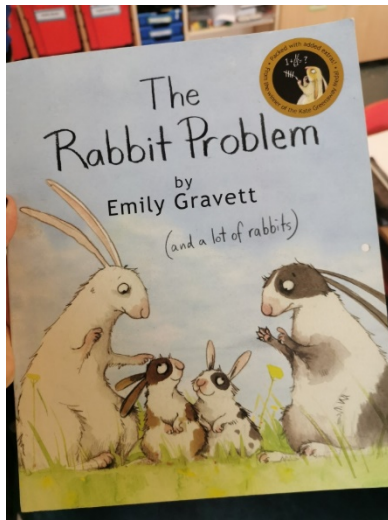
NATIONALITIES

Of the 100 people in the global village:

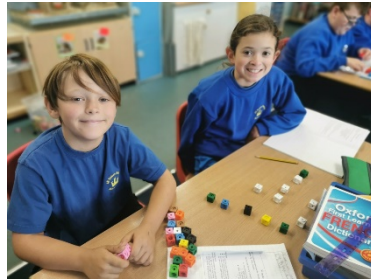
- 61 are from Asia
- 13 are from Africa
- 12 are from Europe
- 8 are from South America, Central America and the Caribbean
- 5 are from Canada and the United States
- 1 is from Oceania

How could you present this information?





Year 6 looked at 'The Rabbit Problem'. They studied and predicted patterns in number sequences and became experts in the Fibonacci sequence.



INSPIRED

Thank you to all the staff at All Saints' for the effort and inspiring activities that made our 'Maths Through Stories Day' so successful. Also a big thank you to MAT mathematics subject leaders for collating and creating such a great bunch of resources for us to choose from to use.

Having explored the benefits of teaching and learning mathematics through stories, we hope to do this much more often in school. Mrs Arrow also intends to inspire parents with a few maths through stories ideas and suggestions that they could use at home with their children.

7 6 9 8 4 5 3 1 8 0 5 7 6
0
4
1
5
2 7 0 9 8 1 3 0 5 6 4 0 1

A Maths Prayer

Dear God,
Thank you for the hundreds of blessings you give us every day,
Help us to multiply love and respect in our school,
Divide and share our God-given talents,
Add happiness and kindness to others' lives,
And subtract sadness and loneliness.

Amen