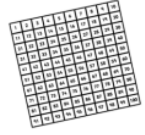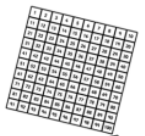# INCLUDED

This half term at All Saints' we had a special whole school 'Maths In The Movies' week, where we explored the mathematics that can come from some of our favourite films.

In Collective Worship the whole school worked together to solve the maths problems, figure out the clues and discover which minion helped to rescue Gru.

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 movie.

INVOLVED

Throughout the week, each class enjoyed short clips from a variety of different films and participated in a great selection of different maths activities, puzzles and games.
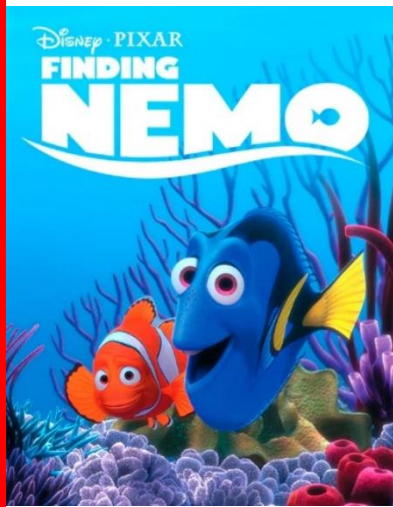
Reception went on a maths journey through the movie Finding Nemo. The children looked at some pictures of Nemo and found he had 3 stripes, two eyes, fins and one mouth and they made a subitising fish friend for Nemo using 1, 2, or 3.

The children helped their friends navigate through the Jelly fish obstacle course, using positional language and they even had fun counting the fish and the jellyfish that floated up and down in a bubbling, light-up sensory tube.

Year 1 enjoyed snippets from 101 Dalmatians. The children used counters and the dalmatian's spots to help them calculate 'one more' and 'one less'.
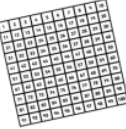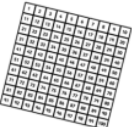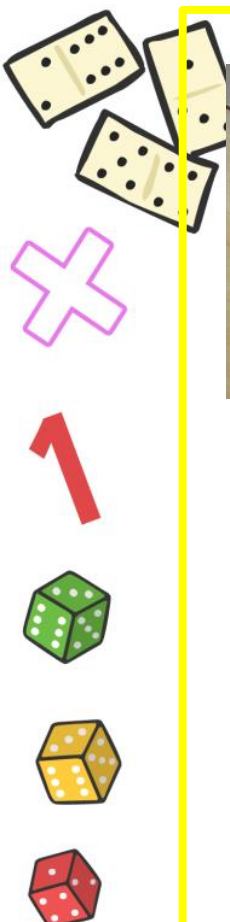
Year 2 had fun completing some maths activities based on The Lego Movie. They started by using the bobbles on the Lego to help them recap addition ready for their next maths units. The children then used positional language to help each other create some different 3D shapes using the Lego bricks
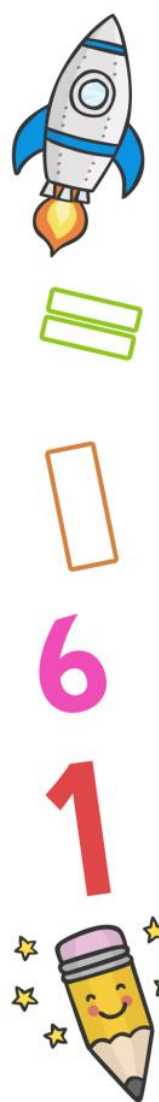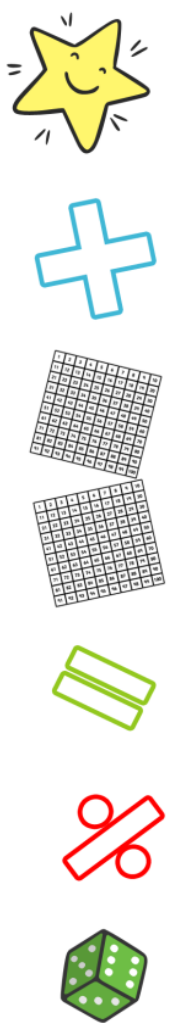
Year 3 watched clips from the movie of Ice Age the Dawn of the Dinosaurs, carefully focusing on the part where Sid finds some dinosaur eggs and wants to keep them. The children then had to solve problems about how many dinosaur eggs were in each nest using the clues.
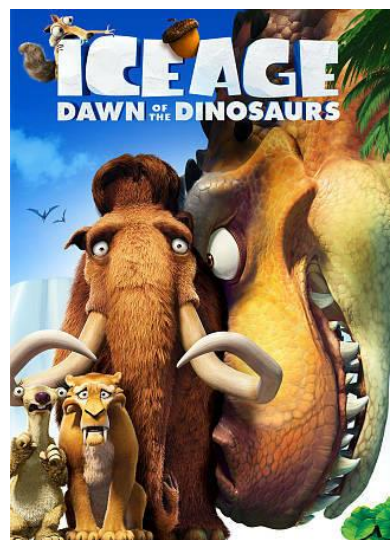
Year 4 looked at The Lego Movie and discovered how Lego can be a great resource for supporting learning about arrays and multiplication. The children also had to follow instructions and solve clues involving fractions to built structures with the Lego that fitted specific rules.

$1 \times 4 = 4$

$2 \times 2 = 4$

$2 \times 4 = 8$

$6 \times 8 = 48$

$6 \times 6 = 36$

Teaching Ideas

LEGO

THE LEGO MOVIE
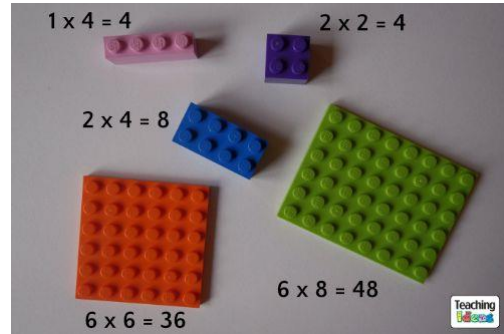
Year 5 worked hard to solve multi-step addition and subtraction problems based on the movie Minions- The Rise Of Gru, following on from our Collective Worship.

MINIONS
THE RISE OF GRU

THE MINION PROBLEM

WALT solve multi-step addition and subtraction problems

MATHS in the MOVIES

1. Kevin is reading the flight manual before take-off.

In the first 10 seconds, he reads 38 pages.

In the second ten seconds, he reads 6 pages more than he did in first ten seconds.

a) How many pages does he read in the second ten seconds?

b) How many pages does he read altogether?

There are 123 pages in the flight manual altogether.
c) How many pages does Kevin have left to read?

2. Here are two number cards.

800   ?
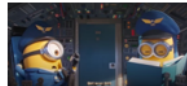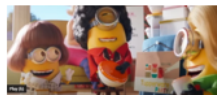
The sum of the two numbers is 2,900

What is the difference between the two numbers?

3. Stuart has £1,000 to spend on Tupperware. He buys a bowl and a jug.

Does Stuart have enough money left to buy the lunch box set? Show your workings.

£199   £349   £479

4. The Minions and The Vicious 6 have £1,800 to spend on bills

The table shows how much they need to spend.

	Minions	Vicious 6
Housing	£465	£550
Food	£420	£380
Bills	£120	£135

a) Which family has more money left?

b) How much more money do they have?
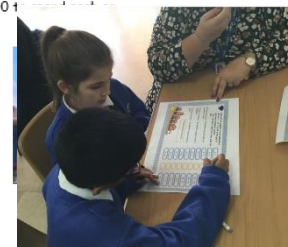
5. There are 15,600 minions at Gru's door.

There are 9,050 with two eyes.

The rest only have one eye.

How many more two-eyed minions are there than one-eyed minions?

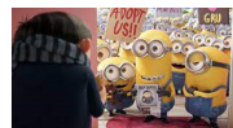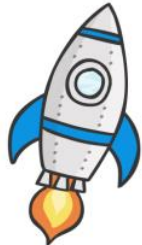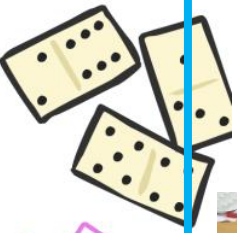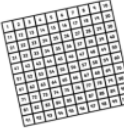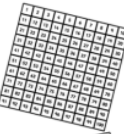**Year 6** were set BODMAS challenges inspired by 101 Dalmatians. The children had to consider how important the order of operations is when solving calculations and apply this to solve problem solve practice.

INSPIRED

Thank you to all the staff at All Saints' for the effort and inspiring activities that made our 'Maths In The Movies' week so successful. Also a big thank you to MAT mathematics subject leaders for collating and creating such as 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 in the movies ideas and suggestions that they could use at home with their children.

Dear God,

Please help us to add peace and happiness to the world
Subtract inequality and wrongdoings
Multiply our love and respect
And divide your gift and share them with others.
Help us to stay positive towards our learning
And recognise the infinite possibilities available to us.

Give us power to overcome challenges and root out bad feelings in our hearts.
Amen