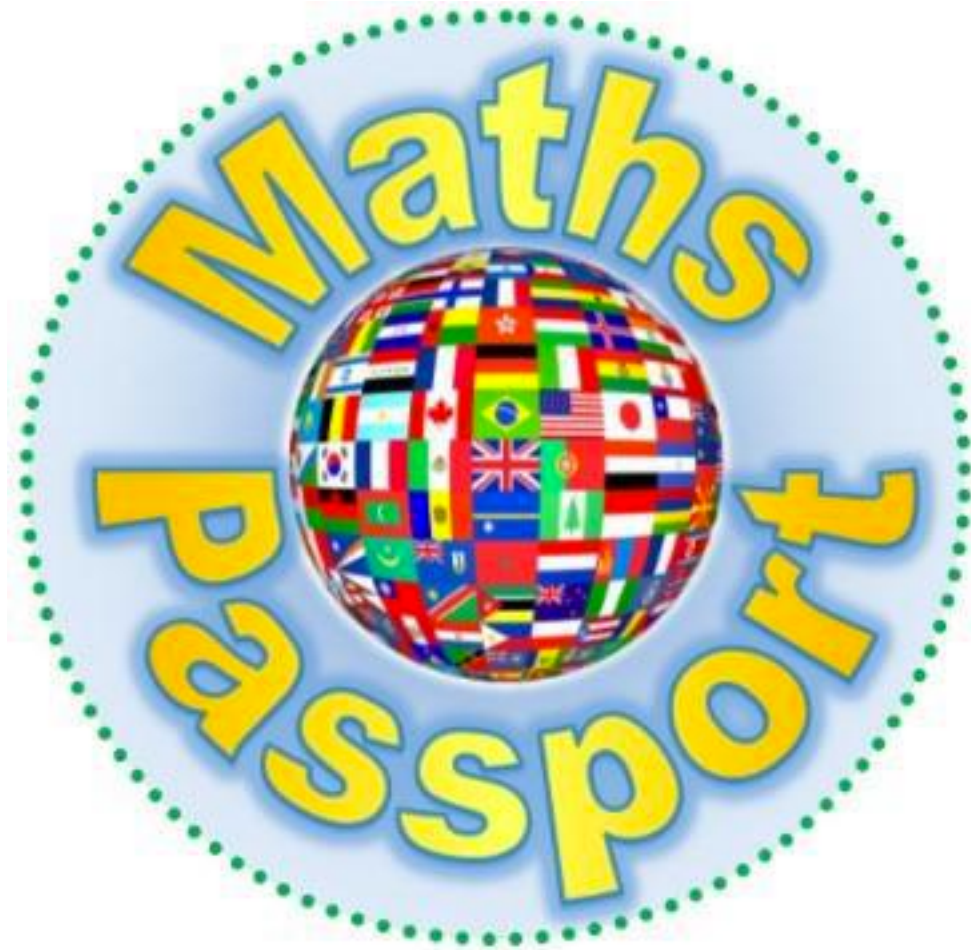


Maths Passports



At St. Mary's we have started a new maths project that will include all children from Nursery to Year 6.



What is Passport?

Every child will be given a passport for the different continents of the world.



Each passport will have a series of steps based on recall of mental maths number facts.

These steps are taken from the current National Curriculum and are the key skills that children need to know.

In a Reception class, this could be counting to 20 or saying what is 1 less than any number between 0 and 20.

These are the targets I need to achieve to complete Northern Ireland	Date I first met the target	Date when I met the target for the second time	Date when I completed the target
I can choose the correct number to represent 1 to 5 objects			
I can choose the correct number to represent 1 to 10 objects			
I can place numbers in order up to 20 (as an unbroken chain, starting from 1)			
I can place numbers in order up to 20 (as an unbroken chain, starting from any number)			
I can count up to 10 objects arranged randomly			

In a Year 2 class, this could be knowing all multiplication facts for the 10 times table.

These are the targets I need to achieve to complete Antarctica	Date I first met the target	Date when I met the target for the second time	Date when I completed the target
I know by heart all multiplication facts for 10 up to 10×12			
I know by heart all division facts for 10 up to 120			
I know by heart all bonds of multiples of 10 up to 100			
I can count forwards and backwards in multiples of 5			
I know by heart all multiplication facts for 5 up to 5×12			
I know by heart all division facts for 5 up to 60			

In a Year 5 class, this could be knowing all division facts for the 8 times table.

These are the targets I need to achieve to complete South America	Date I first met the target	Date when I met the target for the second time	Date when I completed the target
I can count forwards and backwards in multiples of 6			
I know by heart all multiplication facts for 6 up to 6×12			
I know by heart all division facts for 6 up to 72			
I can count forwards and backwards in multiples of 8			
I know by heart all multiplication facts for 8 up to 8×12			
I know by heart all division facts for 8 up to 96			

What will the children have to do?

- Your child's teacher will give them a passport for one of the continents.
- Each child will need to work towards the steps on their passport and demonstrate on three separate occasions that they are able to meet them in a timed session.
- When all the steps on a passport have been met, this will be celebrated - your child will receive a certificate of achievement, and will be presented with their next passport.

Passport will have a high profile
around the school

Every classroom will have a Passport
display to show where each child is
travelling. Successes will be celebrated in
assembly, as well as in the weekly
newsletter.

Practising at home

- Passports will also form part of your child's homework - they will need to practise their targets at home with a grown up.
- This doesn't need to be formal. Ten minutes practising number facts in the car, on the way home, at tea time or before going to bed is all that's required. So if your child is working on the 3 times table, you could say '4' and your child would say '12'.
- There are also a range of online computer games that would support the development of recall skills.

Topmarks

- www.topmarks.co.uk

The screenshot displays the Topmarks website interface. At the top, there is a dark blue navigation bar with the 'Topmarks' logo on the left and links for 'Topmarks Search', 'Whiteboard Resources', 'Learning Games', 'Parents' Resources', and 'Topmarks Blog' on the right. Below this is a light purple bar with social media sharing options for Facebook, Pinterest, and Twitter. A horizontal menu below that offers age group filters: '3-5 Years' (orange), '5-7 Years' (blue), '7-11 Years' (red), and '11-14 Years' (green). A red banner below the menu reads 'Play these fun Maths Games for 7-11 year olds'. The main content area is blue and features a sidebar on the left with 'Maths' (with a calculator icon) and 'English' (with a dog icon) buttons, and a 'IXL Maths Practice' section with buttons for 'Year 1' through 'Year 6'. The central area has a 'Choose a Category:' section with links for 'Ordering and Sequencing Numbers', 'Mental Maths' (highlighted), 'Place Value', 'Addition and Subtraction', 'Times Tables', 'Multiplication and Division', 'Fractions and Decimals', 'Money', 'Shape, Position and Movement', 'Measures', 'Data Handling', and 'Problem Solving'. Below this is a 'Mental Maths Games' section with a description and a preview of a 'Hit the Button' game. The game preview shows a grid of number bonds (e.g., 1x3, 2x3, 3x3, 4x3, 5x3, 6x3, 7x3, 8x3, 9x3, 10x3) and a score of 18. To the right of the game preview, the text reads 'Hit the Button: Quick fire questions on number bonds, times tables and division facts against the clock. Superb!' and includes a 'Tablet friendly' badge.

BBC Bitesize

- www.bbc.co.uk/education

Mental and written calculation

Topics

Addition

0 Learner Guides



54 Class Clips

Subtraction

0 Learner Guides

Maths Zone

- <http://mathszone.co.uk>



Recall is the key!

- At first, it may seem that the work they are doing is too easy, but they should not be taking time to work out the answer to each question - they need to know it instantly. We want to improve the **speed** at which children recall each number fact from memory.