



Ideas for Maths at Home – Year Five



Pupils at St John's Primary School participate in a Maths lesson every day where their knowledge and skills in many areas of Maths are practiced and added too. Pupils will be set Maths homework that matches learning in class from Year 1 onwards, but if you have time here are some additional activities you can do at home that will support your child's mathematical development this year.

Some of the key skills we will focus on with your child this year are:

- Ensure they are able to quickly recall all multiplication and division facts to 12×12
- Count forwards or backwards in steps of 10, 100, 1000, 10 000 or 100 000 for any given number up to 1 000 000 eg counting back 82 734, 72 734, 62734 etc.
- Count forwards and backwards with positive and negative whole numbers
- Add and subtract numbers mentally with increasingly large numbers
- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
- Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000
- Know and use the vocabulary of square and cubed numbers
- To convert fractions to decimals and vice versa.
- Rounding both whole and decimal numbers to significant amounts eg the nearest whole, tenth, hundreds, thousands and tens of thousands.

Practical resources and ideas:

- If I know ... then I know ... Give your child a multiplication or division statement, how many linked facts can they find eg $6 \times 7 = 42$, $60 \times 7 = 420$, $420 \div 70 = 6$, $600 \times 7 = 4200$ etc.
- Count out loud in patterns as described above, this maybe together to start with.
- Call out a square number/square root question for your child to answer.
- Sort a set of numbers into prime numbers, square numbers and other composite numbers. Ask How do you know?
- Number sort: give your child a selection of numbers, sort them into numbers that are squares/square roots and those that are not.
- Make a fractions and decimals pairs game.

WEBSITES that could be useful:

- <https://www.topmarks.co.uk/maths-games/hit-the-button>
(multiplication practice)
- <https://wordwall.net/resource/9919606/maths/whack-square>
- This website has a range of games on fractions that maybe useful:
<https://www.topmarks.co.uk/maths-games/7-11-years/fractions-and-decimals>
- A fun game to improve the speed of converting fractions and decimals:
https://www.mathplayground.com/ASB_Puppy_Chase_Decimals.html
- A range of games to support some of the objectives above can be found on:
<https://mathsframe.co.uk/en/resources/category/9/addition-and-subtraction>

