



Helping With Maths At Home



Tips for parents:

- Point out the maths in everyday life. Include your child in activities involving numbers and measuring, such as shopping, cooking, travelling and telling the time.
- Praise your child for **effort** rather than for being "clever". This shows them that by working hard they can always improve.
- Be **positive** about maths. Try not to say things like "I can't do maths" or "I hated maths at school" - your child may start to think like that themselves.

'Parental involvement has a large and positive impact on children's learning'
Review of Best Practice in Parental Engagement" (Department for Education, 2010)

'The effect of parental involvement at home was stronger than that of either socio-economic status or parents' level of education'
The impact of parental involvement, parental support and family education on pupil achievement and adjustment (Desforges and Abouchaar, 2003)

Support and Ideas

For general ideas about how to approach maths with children and some activities to try at home - See the Family Maths Toolkit on the National Numeracy Website:

<https://www.familymathstoolkit.org.uk/>

Year R

- Counting up to 20 everyday objects
- Saying and using the number names in order
- Finding one more or less than a number up to 20
- Starting to use the language of addition and subtraction; counting on and back
- Sorting and matching objects and shapes
- Comparing quantities and shapes
- Finding and recreating simple patterns
- Beginning to do some simple measuring, comparing lengths and quantities
- Talking about things like size, weight, distance, time and money to develop correct vocabulary



Helping With Maths At Home



Year 1

- Reading and writing numerals to at least 100 in numerals and in words
- Finding one more or less than any number
- Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=)
- Recognising, finding, naming and writing simple fractions of a length, shape, set of objects or quantity
- Measure and record the length, height, weight or volume of different objects
- Recognise and talk about the value of different denominations of coins and notes
- Tell the time to the hour and half past the hour, drawing the hands on a clock face to show these times
- Ordering and arranging objects in patterns and sequences
- Recognise and name common 2D and 3D shapes including squares, circles and pyramids
- Describing position, direction and movement

Year 2

- Comparing and ordering numbers from 0 to 100, using $<$, $>$ and $=$ signs
- Counting in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward
- Using place value and number facts to solve problems
- Adding and subtracting two-digit numbers using mental and written methods
- Recalling and using addition and subtraction facts up to 20, and deriving related facts up to 100
- Recalling and using multiplication and division facts for the 2, 5 and 10 multiplication tables, and recognising odd and even numbers
- Solving addition and subtraction money problems, using symbols for pounds and pence
- Telling and writing the time to the nearest five minutes
- Identifying, describing, comparing and sorting 2D and 3D shapes
- Interpreting and constructing pictograms, tally charts, block diagrams and simple tables



Helping With Maths At Home



Years 3 and 4

- Using and understanding numbers up to 1000 and then beyond 1000
- Counting up in multiples of 10, 25, 50, 100 and 1000
- Using negative, as well as positive, numbers
- Adding, subtracting, multiplying and dividing mentally and using formal written calculation methods
- Remembering times tables up to 12 x 12
- Solving maths problems
- Exploring fractions and decimals
- Analysing and comparing a range of 2D and 3D shapes and their properties
- Telling the time accurately, including using Roman numerals, and calculating with time
- Calculating with measurements, including calculating perimeter and area
- Converting measurements (e.g. from centimetres to metres)
- Interpreting and presenting data using pictograms, tables and bar graphs.

Don't forget...

- Support your child's calculations using practical apparatus, such as cubes, buttons, counters etc. and by encouraging them to draw pictures to help with their understanding.
- If you want to know how we do calculations in school, have a look at our Calculation Policy, which is on our website. Please ask your child's teacher if you need any help with this.
- In Year 2, Year 3 and Year 4 - use **TT Rock Stars** to practise tables **every week**, it's great fun to use and really helps your child to get ahead with their tables! All the children have a logon. If you are not sure, contact your child's teacher.

