

Mathematics at home

Talk together and have fun with numbers and patterns

Help your child to:

- find and connect numbers around your home and neighbourhood – phone numbers, clocks, letterboxes, road signs, signs showing distance
- count forwards and backwards (starting with numbers like 998, 999, 1,000, 1,001, 1,002 then back again)
- make patterns when counting – forwards and backwards, starting with different numbers (73, 83, 93, 103... or 118, 108, 98, 88...)
- explore patterns through drumming, clapping, stamping, dancing find out the ages and birth dates of family and see patterns in the numbers in their times tables.
- Help your child to add and subtract a pair of 4-digit numbers (eg $2645 + 8374$)
- Teach your child to multiply 3-digit numbers by 1-digit numbers (eg 321×4)
- Ensure they know their times tables fluently up to 12×12

Here's a tip - being positive about mathematics is really important for your child's learning – even if you didn't enjoy it or do well at it yourself at school.

Use easy, everyday activities

Involve your child in:

- making lunch or a meal for a party using fractions to give people equal amounts eg how can you divide the cake into equal pieces?
- helping at the supermarket – choose items to weigh – how many apples/bananas weigh a kilo? Look for the best buy between different makes of the same items (eg blocks of cheese) – check on the amount of sugar or salt per serving
- telling the time to the nearest 5 minutes
- deciding how much money you will need to put into the parking meter and what time you will need to be back before the meter expires
- thinking about how many telephone numbers they can remember – talk about what they do to help them remember the series of numbers
- reading together – help them look for numbers and mathematics ideas
- looking for shapes/angles and numbers in newspapers, magazines, junk mail, art (like carvings and sculpture)

Here's a tip - mathematics is an important part of everyday life and there are lots of ways you can make it fun for your child.

JAMES ELLIMAN ACADEMY

Helping at Home:

Year 4 - Maths

For wet afternoons/school holidays/weekends

Get together with your child and:

- play card and board games that use guessing and checking
- look at junk mail – which is the best value? Ask your child what they would buy if they had £10/£100/£1,000 to spend
- do complicated jigsaw puzzles
- cook or bake – use measuring cups, spoons ($\frac{1}{2}$ and $\frac{1}{4}$ teaspoon) and scales
- collect boxes – undo and see if you can make them up again or make it into something else
- make paper darts and change the weight so that they fly differently, work out which is the best design
- create a repeating pattern to fill up a page or decorate a card
- play mathematics "I Spy" – something that is $\frac{1}{2}$ a km away, something that has 5 parts
- hide something from each other and draw a map or hide several clues – can you follow the map or the clues and find it?
- Play games with skipping ropes– how long will it take to skip 20 times?

Here's a tip - the way your child is learning to solve mathematics problems may be different to when you were at school. Get them to show you how they do it and support them in their learning.