

# Maths at home

Supporting  
your child's  
learning at  
**Year 3**

## Talk together and have fun with numbers, shapes, games, and patterns

### Help your child to:

- find and connect numbers around your home and neighbourhood – phone numbers, clocks, car number plates, road signs, signs showing distance
- name the number that is 10 more or 10 less than before or after a number up to 1000
- make patterns forwards and backwards in 1s, 2s, 3s, 5s, 10s and 100s starting with different numbers (for example 13, 23, 33, 43..., ...43, 33, 23, 13)
- make different types of patterns by drumming, clapping, stamping, dancing or drawing patterns that repeat and describe this pattern for someone else to follow
- find out the birth dates of family or whānau members – Ask questions like ‘who is born earliest in the year?’, ‘who is born in the winter?’, or ‘who has an odd numbered birthday?’
- group objects in a collection in groups of 10 and find out how many in all, e.g. coins, shells
- do addition and subtraction problems using two- and three-digit numbers, for example,  $231 + 245$ ,  $154 - 23$
- use groups of 10 that add to 1000  
eg  $500 + 500$ ,  $300 + 700$
- use and talk about simple fractions (halves to eighths) of groups or shapes, i.e. cutting up a cake into eight pieces for an eighth, or folding napkins into quarters
- read the numbers on car number plates  
e.g. 347 as three hundred and forty seven.



**Here's a tip:** be positive about maths and show your child where you use maths. This will help them build confidence in maths. Praise their effort.



## Use easy, everyday activities

### Involve your child in:

- telling the time using words like half past, quarter past and quarter to
- learning their 2, 3, 5 and 10 times tables
- reading and sharing a book. Ask them questions about numbers in the story and use the number of pages as a way to practise number facts, too
- doing a shape and number search when you are reading a book or looking at art (such as carvings and sculpture)
- using a calendar to work out how many days until an important event
- using kitchen scales to weigh ingredients for cooking or baking.



**Here's a tip:** maths is an important part of everyday life. Make maths fun for your child with practical, hands-on activities and games that you can do together.

## For wet afternoons/school holidays/weekends

### Get together with your child and:

- play games, for example, board games, games with dice, card games, jigsaw puzzles
- make your own advertising pamphlet. Cut out and sort images to go on it, make pretend money to spend
- make a play shop and take turns 'buying' things, and giving change for simple amounts of money
- grow seeds or sprouts and measure the growth each week
- create a repeating pattern
- go on a treasure hunt. Make a map with clues and see who can get to the treasure first
- dance to music and sing/clap to favourite songs, make up a dance sequence each – can you copy each other?
- both take turns closing your eyes and describing how to get from the front gate to the kitchen, from the kitchen to their bedroom, from home to school
- do timed activities. You hold the watch, and they count how many times they can bounce a ball in a minute
- play guess-and-check games using different shaped jars. How many beans, buttons, pegs in the container?
- help your child weigh or measure ingredients as you cook together.



**Here's a tip:** the way your child is learning to solve maths 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.

