

### FINDING THE MATHS AROUND THE HOUSE

#### In the Kitchen

There are several mathematical activities that take place in the kitchen, including preparing food, measuring ingredients, estimating cooking times, plating dishes and setting the table.

- Estimate then count the number of cups needed to fill a large pot
- Use a timer when preparing food or monitoring cooking times
- How long does it take to make the perfect cup of tea?
- Give directions to help your child set the table or plate food
- Investigate the different shapes of objects and food items in the house
- Can you find any items that do not belong? (non-example) Can you describe why they are different?
- Order containers from smallest to tallest or lightest to heaviest
- Think about the different shapes we can make when we cut vegetables
- How do these shapes and sizes effect cooking times?
- Can you measure half a cup using a  $\frac{1}{3}$  of a cup measure?



#### In the Bathroom

The bathroom is another great place to find maths activities, including comparing capacity and ordering objects.

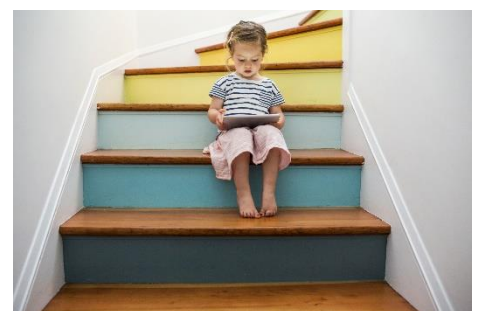
- Use the bath or large tub to investigate whether objects sink or float
- Make a boat using paper and time how long it stays afloat
- What if you add weights (or blocks)? Does it still float?
- Fill containers with water to find out which one has the largest capacity
- Compare the height or weight of containers
- Order the containers according to their size
- What if I give you one more container? Where would you place it? Why?



#### Other Rooms

The other rooms in your house, including the garage or garden shed, may also contain interesting items that could be the starting point for an investigation.

- Hide an object and give someone else directions to locate it
- Find a measuring tape and use it to predict then measure the size of different objects or distances
- Sort a collection of objects according to their colour, shape or size
- Use materials, such as books or newspaper, to build the tallest tower or the strongest bridge
- Count the number of stairs or the number of steps it takes to get to different rooms
- Create a map of your house or draw a map of your dream house
- Find all the shoes in the house – sort them according to size or colour
- Use materials in the house to create your own Rube Goldberg Machine – check out some suggestions on the *Digital Trends* website: <https://www.digitaltrends.com/cool-tech/best-rube-goldberg-machines/>



For more information to support your child, download the **AMSI Schools Finding the Maths Parent Booklet**: <https://calculate.org.au/2017/11/21/finding-the-maths/>