maths challenge cards

The Maths Challenge Cards are short activity ideas that can fit into your day and will help your child see Maths as fun. The cards relate to the different strands of Mathematics: Number & Algebra, Geometry & Measurement and Statistics. It will help them to revise and reinforce learning they have done at school.

You can repeat each activity as many times as your child wants to. Feel free to change the ideas to suit your child's interests, what you have in your house and their current level of development. If your child wants to represent their thinking on paper let them do so in their own way. For example they might want to write numbers or they might want to *draw* to communicate their mathematical thinking.

Please share any ideas you have for Maths Challenges so that our collection of cards can grow and we can learn from one another.
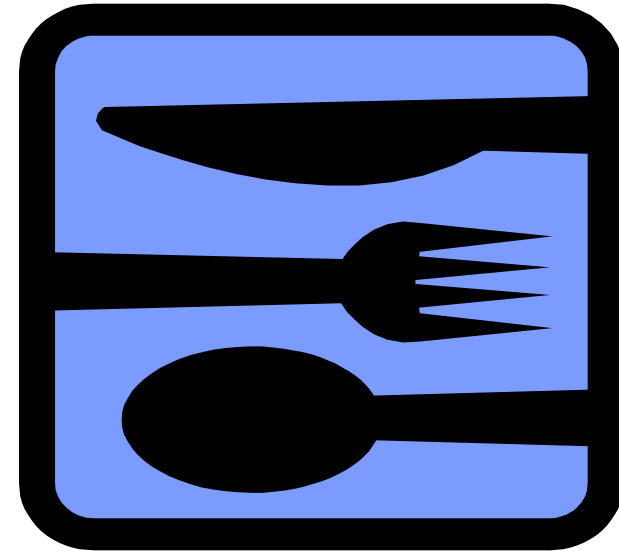
You can find more information here: https://parents.education.govt.nz/primary-school/learning-and-development-at-home/ideas-to-help-with-reading-writing-and-maths

maths challenge 1

Can you **sort** the cutlery in your house into different **sets?**

How did you do it?

What else could you sort? Toys? Lego? Pillows?

maths challenge 2

Take responsibility for putting the recycling out for __a week__.

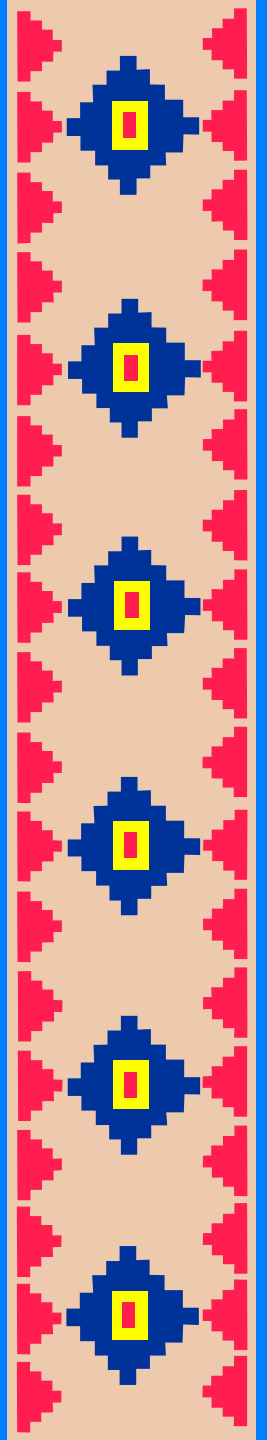Create a __tally chart__ to track the items you put out for recycling. What is there __most__ of? __Least__ of?

maths challenge 3

Find a **pattern** in your house,
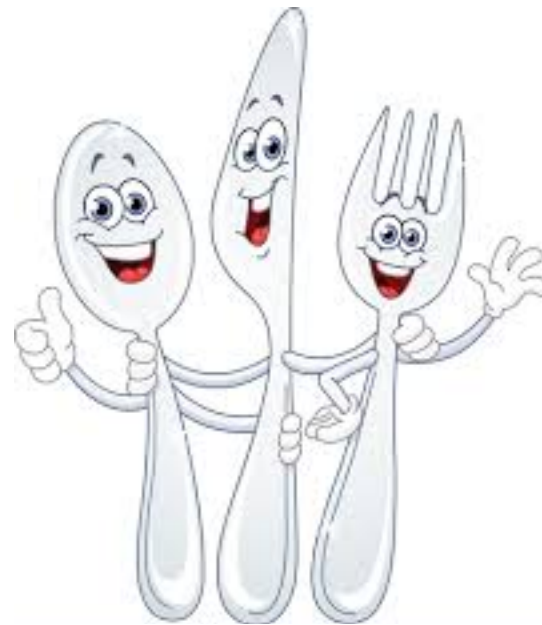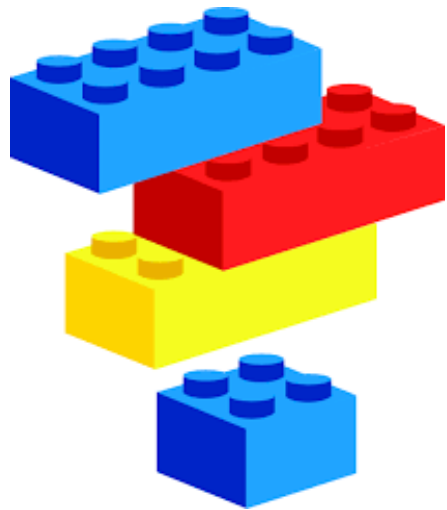e.g. wallpaper, tiles, on the duvet.

Can you **describe it**?

Draw your own pattern.

maths challenge 4

Can you make a **repeating pattern** using knives and forks? Or Lego? Or blocks?
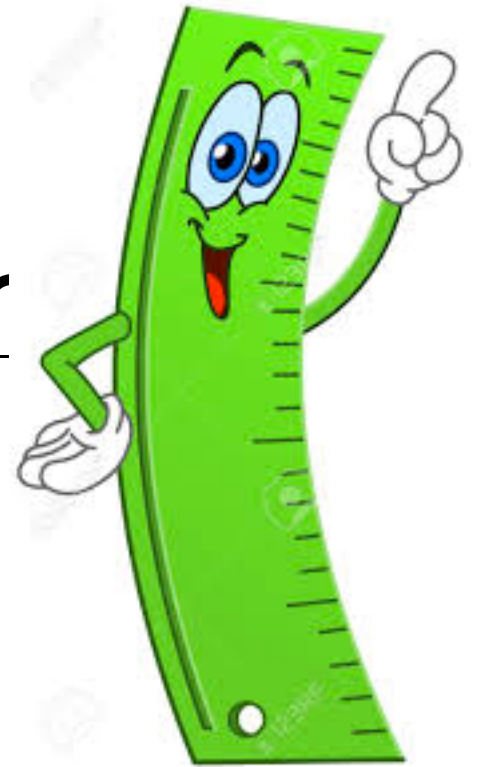
maths challenge 5

Can you find something that is a **metre tall** in your house?

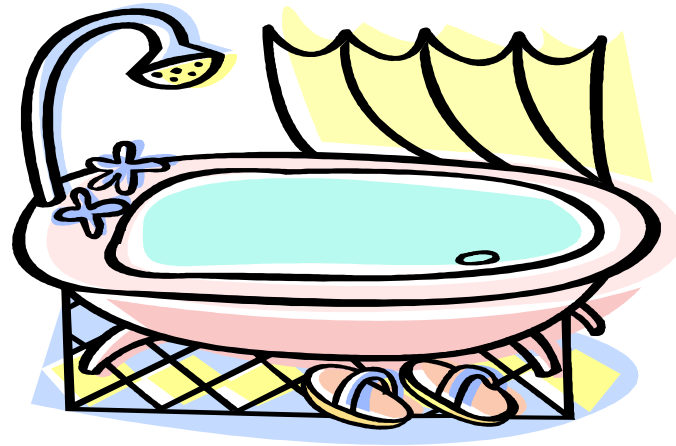Can you find something that is a **cer** **wide** in your house?

What is the **tallest** object in your house? What is the **widest**?

maths challenge 6

How long does it take to have a bath or shower?

How did you work it out?

maths challenge 7

Who has the **biggest hands** in your family?

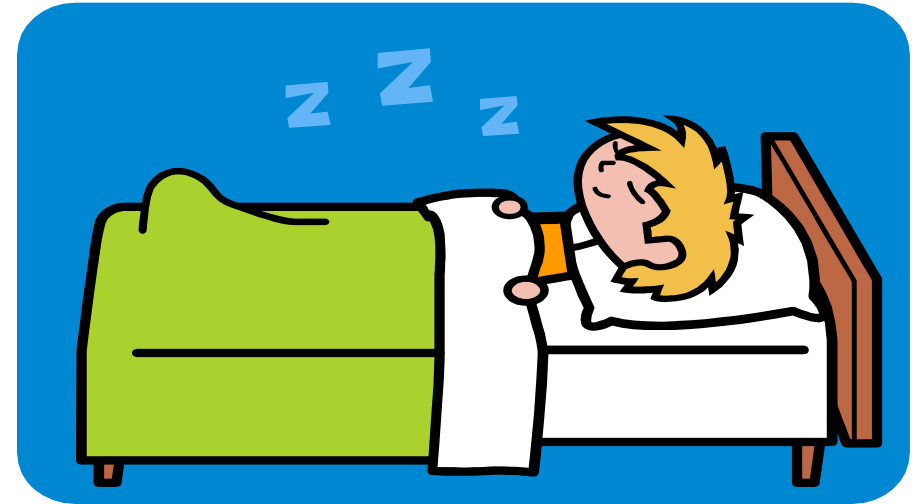How **long** are they? How much longer are they than yours?

maths challenge 8

How wide is your bed?
How long is your bed?

How can you find out?

Is it better to **measure** in metres, millimetres or centimetres?

maths challenge 9

How tall is the **tallest** person in your house?

How tall is the **shortest** person in your house?
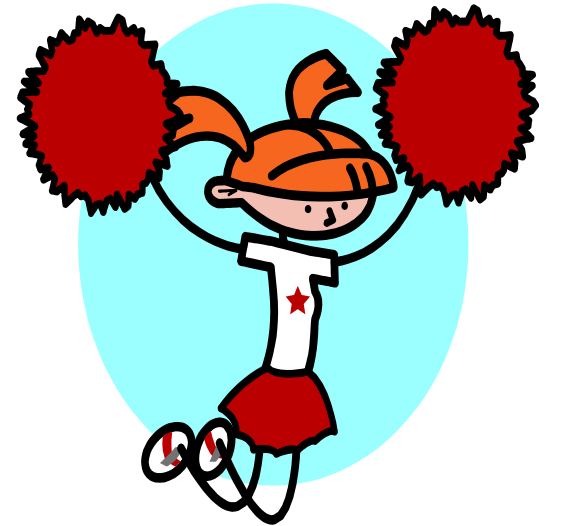
How did you **measure** them?

maths challenge 10

Do **10 jumps** in each room of your house. Count each jump to make sure you do 10.

How many jumps did you do all together?

maths challenge 11

Ask your grown up if you can <u>count</u> the coins they have in their wallet.

How many are <u>$1</u> coins? How many are <u>20c</u> coins?

<u>How much</u> money do they have all together?

maths challenge 12

What **numbers** can you see on the registration plates of cars in your street?

GG 9094

Choose a few and **add them together**. Which car has the **smallest** total? Which has the **largest**?

maths challenge 13

Do you have a clock in your house?

What time did you wake up?
What time did you leave for school?
What time did you eat dinner?
What time will you go to bed?

maths challenge 14

Find **numbers** in your house.

What number is **10 more**? **100 more**?

In each room, **add the numbers** together. Which room has the **biggest** total?

maths challenge 15

How <u>many windows</u> are in your house?

How many are <u>upstairs</u>?

How many are <u>downstairs</u>?

Which room has the <u>most</u>?

maths challenge 16

How many footsteps from:
Your house to your fence?
Your front door to your bedroom?
Your kitchen to your bathroom?

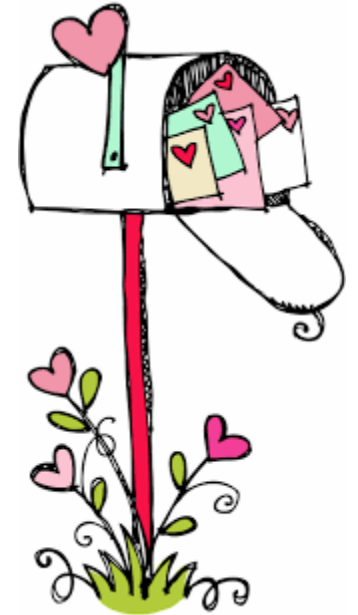What happens to the number if you take bigger steps? Or smaller steps?

maths challenge 17

What is your <u>house number</u>?

What are the numbers of the houses <u>next door</u>?

Do you notice a <u>pattern</u>?
Can you <u>continue the pattern</u>?

maths challenge 18

Write down some family **phone numbers.**

Add all the digits together for each phone number. Who's phone number has the **largest total?**

maths challenge 19
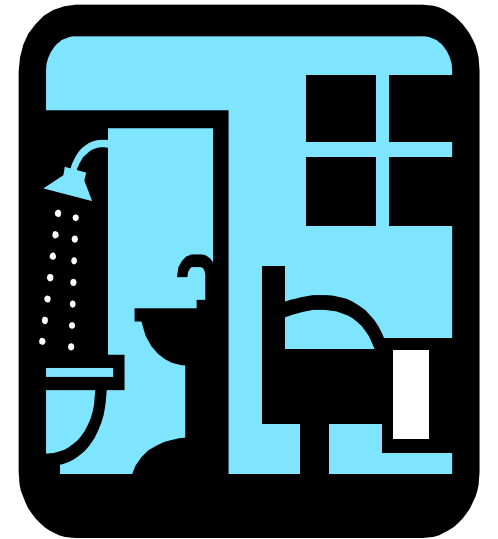
How many <u>stairs</u> in your house?
How many <u>windows</u> in your house?
How many <u>rooms</u> in your house?
How many <u>people</u> in your house?

See if you can make a tally chart to show how many of each.

maths challenge 20

How <u>many</u> strides is it to walk all the way around your garden?

How <u>many</u> strides is it to walk into every room in your house?

Which distance is <u>longer</u>? How do you know?

maths challenge 21

How old are the people in your family?
(not just those who live with you)

Write all the ages in order
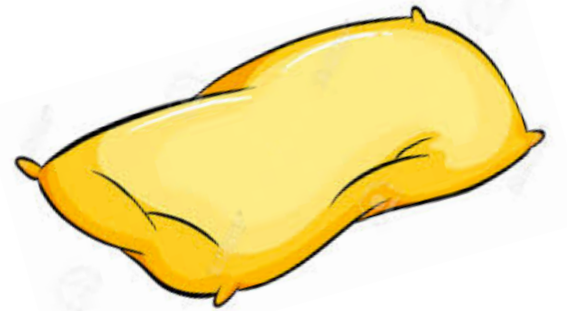from **youngest to oldest.**

See if you can work out the **age difference**
between the oldest and the youngest.

maths challenge 22

How <u>many pillows</u> are in your house?

How <u>many chairs</u> are in your house?

Can you <u>add</u> the two numbers together?

maths challenge 23

Ask your grown up for their keys (or another object). Put them somewhere in the house.

Use directional language to lead your grown up to them, e.g. **left, right, turn, forwards**

maths challenge 24

Help your grown up sort the socks.

How many pairs do you have?

Count in **twos** to find out how many all together. Can you make a **multiplication** number sentence to work it out?

maths challenge 25

How many pairs of socks are in your house?

What colour are they?

Make a **tally chart** to show how many of each colour.

Can you create a **graph** from your data?

maths challenge 26

Look at a chapter book in your house. Find and read **two page numbers** from each chapter.

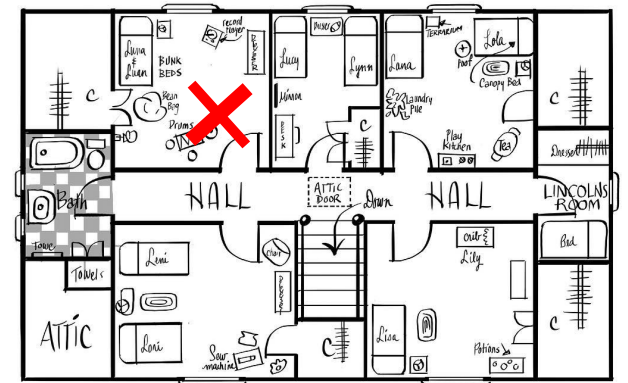Ask your grown to randomly choose some page numbers for you to put in order from **biggest to smallest.**

maths challenge 27

Hide **a toy** somewhere in your house.

Use words to describe **where** it is hidden, e.g. **behind, on top, underneath, in between.**

Can you **draw a map** to show it's location?

maths challenge 28

Ask your grown up to **blind-fold you.**

Listen to their **instructions** and see where you end up!

Swap and lead your grown up somewhere.
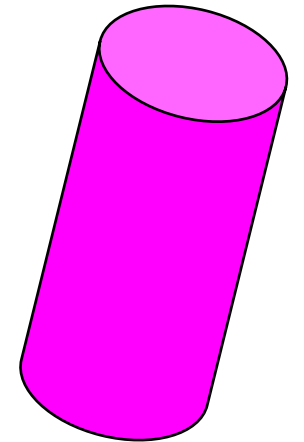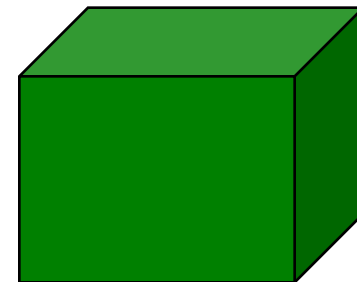
maths challenge 29

Walk around your house. How many shapes can you see?
Can you find a cube?
Can you find a sphere?
Can you find a cuboid?
Can you find a cylinder?

maths challenge 30

Look in your pantry.

What is the **heaviest** food?

Which is the **lightest**?

How do you know?

maths challenge 31

<u>Count</u> how many <u>trees</u> can you see from your letterbox.

<u>Count</u> how many <u>cars</u> can you see from your letterbox.
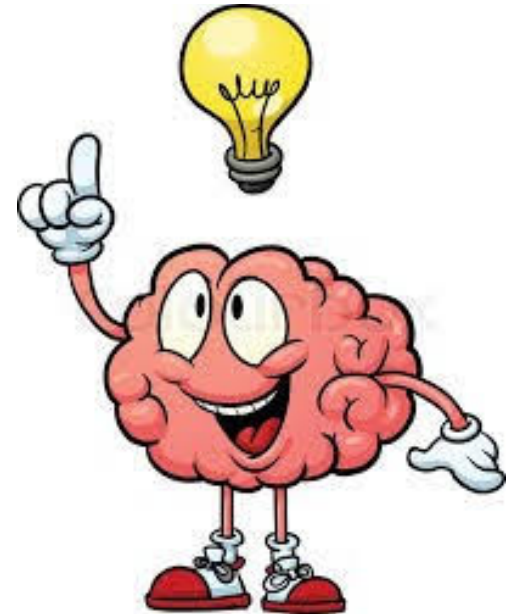
Can you <u>add</u> these two numbers together?

maths challenge 32

What is the **biggest number** you can think of?

What is the **smallest number** you can think of?

Practise **writing** these numbers.

maths challenge 33

What **numbers** can you spot on your way to school?

What were the **biggest** and **smallest** numbers you saw?

What is the **difference** between them?

maths challenge 34

Can you write the numbers from <u>0 to 100</u>?

Can you find <u>**a hundred things**</u> to count in your house?

Can you <u>**count down**</u> from 100 before jumping into bed?

100!

maths challenge 35

Write numbers from <u>0 to 20</u>. Draw a picture of these numbers.

Can you find some '<u>teen</u>' <u>numbers</u> hidden around your house?

maths challenge 36

You should clean your teeth twice a day for **at least 2 minutes.**

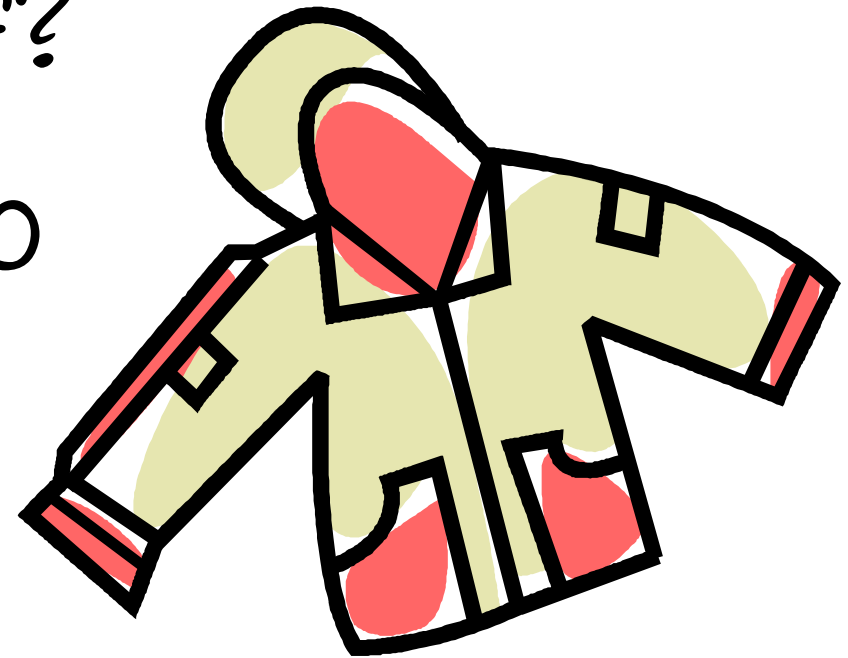**How many** different ways can you **time** cleaning your teeth?

maths challenge 37

How **fast** can you get dressed?
How could you **time** yourself?

How **long** does it take you to get ready for school?

maths challenge 38

Write **word problems** for the maths you see at home.

e.g. *If dad dished up two potatoes for each person in our house. How many potatoes would he need to cook?*

When mum did the shopping she had 13 bags of groceries. How many trips would it take me to bring the shopping in if I carry 2 bags at once?

maths challenge 39

Help your grown up person do the **shopping** at the supermarket.

Use a calculator to add up the shopping as you go (you can often find a calculator on mobile phones).

maths challenge 40

Cut out items for sale from flyers before you put them in recycling.

Add up to see how much it would cost to buy the items you've cut out. **Use a calculator** if you need to.
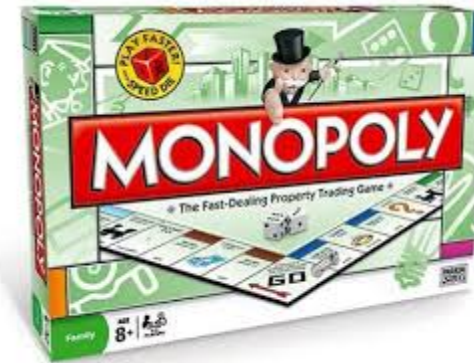
maths challenge 41

Go on a <u>fractions hunt</u> in your house.

How many different fractions can you find?

maths challenge 42

Play board games or card games with your whanau.

maths challenge 43

Keep a whanau <u>calendar</u>.
<u>Count down</u> the days until birthdays or special events.

Do you notice any <u>patterns</u> in the calendar?
Can you name all the <u>days and months</u> in order?

maths challenge 44

Do some jigsaw puzzles. Get complicated! The bigger, the better!

maths challenge 45

How many <u>toes</u> are in your house?
How many <u>fingers</u>?
How many <u>ears</u>?
How many <u>eyes</u>?

<u>Skip count or use a multiplication fact</u> to help you work it out.

maths challenge 46

Choose one colour of a car to count on the way home.

Next time choose a different colour. Keep going for several trips.

Create a tally chart or graph. Which colour seems to be the most common?

maths challenge 47

Find <u>numbers</u> around your house.

<u>Add</u> 2 or more of them to make:

<u>10</u> <u>20</u>

<u>50</u> <u>100</u>