

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 the area of learning called '*Problem Solving, Reasoning and Numeracy.*'

N = Numbers for Labels and Counting

C = Calculating

SSM = Shape, Space and Measures

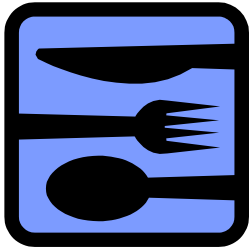
You can repeat each activity as many times as your child wants to. Feel free to change the ideas to suit your child's interests, what you have in your house and their current level of development. If your child wants to represent their thinking on paper let them do so in their own way. For example they might not want to write numbers, but they might want to draw to communicate their mathematical thinking.

We encourage you to share any ideas you have for maths challenges so that our collection of cards can grow and we can learn from one another.

Maths Challenge

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

How did you do it?



SSM78

1

Maths Challenge

Can you add up the numbers on a car registration plate?



Practise writing the numbers at home. CA6

2

Maths Challenge

Can you find 4 different sized shoes in your house and put them in order of size?

What else can you find to order by length?



SSM68

3

Maths Challenge

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

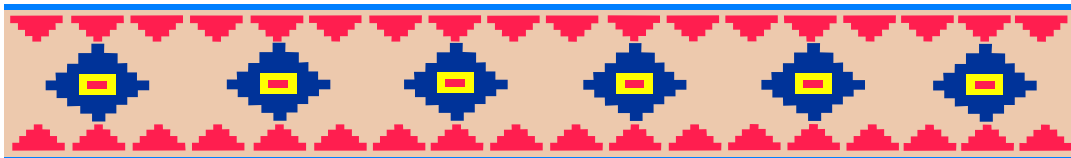
Can you describe it?

(It could be squares/circles....)

See if you can draw your own pattern.

SSM4

4



Maths Challenge

Can you make a repeating pattern using forks and spoons?



SSM4

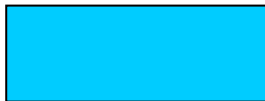
5

Maths Challenge

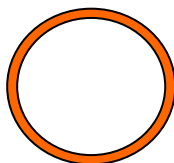
Can you find something that is a square shape in your house?



Can you find something that is a rectangular shape in your house?



Can you find something that is a circular shape in your house?



SSM6

6

Maths Challenge

How long does it take to have a bath?

How did you work it out?



SSM8

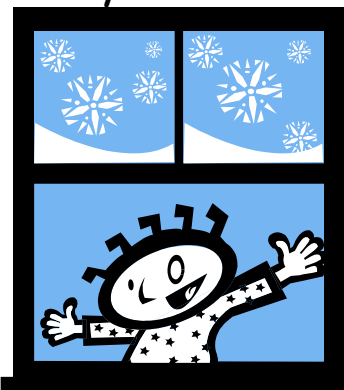
7

Maths Challenge

Are you taller or shorter than a door?

Are you taller or shorter than an armchair?

Are you taller or shorter than a window sill?



SSM67

8

Maths Challenge

Who has the biggest hands in your family?

How can you tell?



SSM7

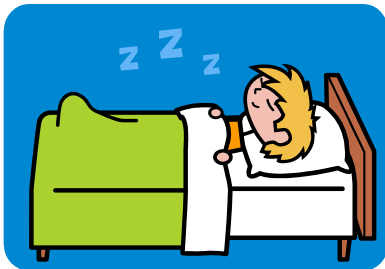
9

Maths Challenge

How wide is your bed?

How long is your bed?

How can you find out?



SSM8

10

Maths Challenge

Who is the tallest person in your house?

Who is the shortest person in your house?

How did you measure them?



SSM46

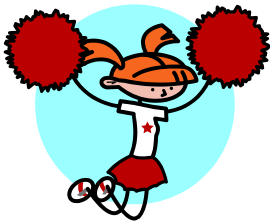
11

Maths Challenge

Do 10 jumps in each room of your house.

Count each jump to make sure you do 10.

Practise writing number 10 at home.



N6

12

Maths Challenge

Ask your grown up if you can count the coins they have got?

How many are 10p coins?



N8

13

Maths Challenge

What numbers can you see in the registration plate of your car?

Which is the smallest number? Which is the largest number?

Practise writing these numbers at home.



N6

14

Maths Challenge

Do you have an analogue clock in your house?
What is the biggest number you can read on the clock?
What would be the next number?

Practise writing all the numbers that are on the clock.



N587

15

Maths Challenge

Can you find any numbers in your house?

Practise writing these numbers at home.



N59

16

Maths Challenge

Count how many drawers there are in your whole house.

Practise writing these numbers at home.



N6

17

Maths Challenge

How many windows are in your house?

How many are upstairs?

How many are downstairs?



N68

18

Maths Challenge

How many footsteps from;
Your house to the bottom of your garden?
Your front door to your bedroom?
Your kitchen to your bathroom?

What happens to the number if you take bigger steps?



N489

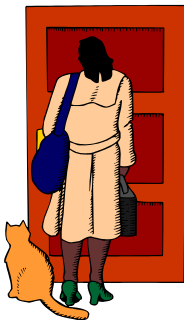
19

Maths Challenge

What is your house number?

Can you think of a smaller number than this?

What number are the numbers of the houses next door?



N9

20

Maths Challenge

What numbers are in your phone number?

Which is the biggest number?

Can you put them in order from smallest to biggest?



N9

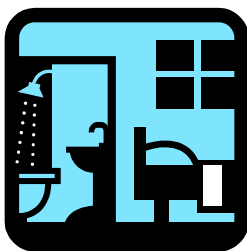
21

Maths Challenge

How many stairs are in your house?

How many windows are in your house?

How many rooms in your house?



N456

22

Maths Challenge

How many strides is it to walk all the way around your garden?

Is it the same number for a grown up?



N489

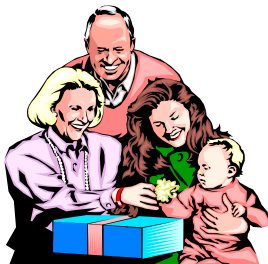
23

Maths Challenge

Who are the oldest and youngest people in your family?

How old are they?

Practise writing their numbers at home.



N149

24

Maths Challenge

How many chairs are in your house?

How many televisions are in your house?

Can you add the two numbers together?



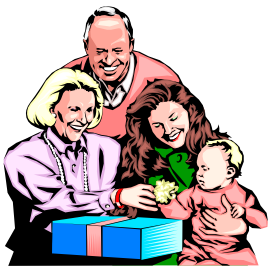
C14

25

Maths Challenge

Ask your grown up for their keys. Count the keys on the key ring.

Practise writing these numbers at home.



N29

26

Maths Challenge

Find a pair of socks for everyone in your house?

How many socks do you have altogether?

Is it the same number as the people in your house?



N69

27

Maths Challenge

Find 5 pairs of socks hide 4 socks how many are left?



C59

28

Maths Challenge

Look at one of your books. Can you find and read the numbers that are on each page?
Which is the biggest number?
Which is the smallest number?



N97

29

Maths Challenge

Hide your teddy. Use words to describe where teddy is hidden, e.g. behind, on top, underneath, in between.



SSM5

30

Maths Challenge

Ask your grown up to blind fold you. Listen to their instructions and see where you end up!



SSM5

31

Maths Challenge

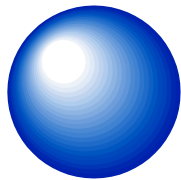
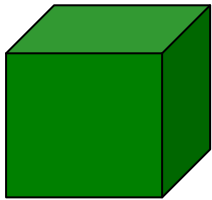
Walk around your house. How many shapes can you see?

Can you find a cube?

Can you find a sphere?

Can you find a cuboid?

Can you find a cylinder?



SSM9

32

Maths Challenge

Look in your food cupboard.

What is the heaviest food?

Which is the lightest?

How do you know?



SSM7

33

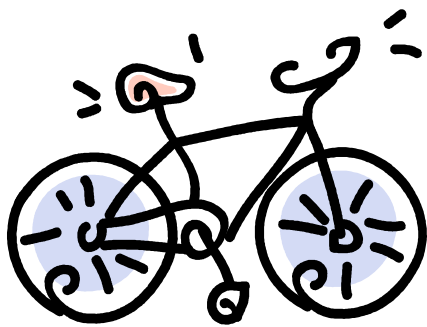
Maths Challenge

Which is heavier?

A teddy or a can of food?

A chair or a toothbrush?

A cushion or a bike?



SSM7

34

Maths Challenge

Which is lighter?

A spoon or table?

A handful of grass or a bunch of bananas?

Your biggest toy or your smallest toy?



SSM7

35

Maths Challenge

Count how many doors are on your street.

Count how many cars are on your street.

Can you add these two numbers together?



SSM89

36

Maths Challenge

What is the biggest number you can think of?

What is the smallest number you can think of?

Can you write these numbers?



SSM7

37

Maths Challenge

On your way to school what numbers do you see?

How many of the numbers can you write down?



N59

38

Maths Challenge

Can you write numbers from 0 to 10?

How many sets of 10 things can you find to count in your house?



N59

39

Maths Challenge

Can you write numbers from 0 to 20?

How many sets of 20 things can you find to count in your house?



N59

40

Maths Challenge

Can you find?

1 toothbrush

2 spoons

3 pegs

4 socks

5 shoes



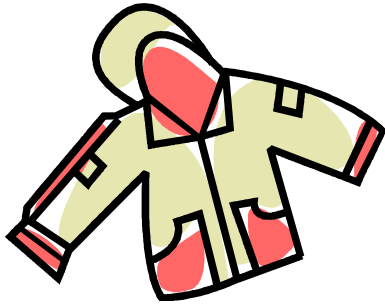
N3

41

Maths Challenge

Can you get dressed before your grown up counts to 20?

Can you do your coat up before your grown up counts to 10?



N4

42

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