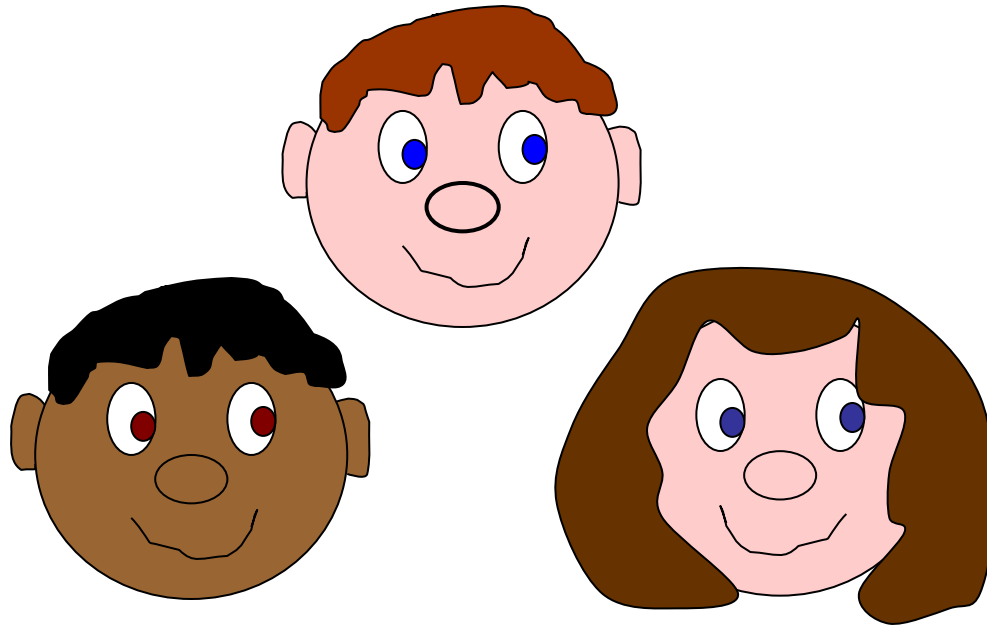


Maths at home

Maths in real life KS1



Counting and Numbers

- Counting songs – Ten green bottles, 5 little speckled frogs, Ten fat sausages, Ten in the bed, 5 little ducks, One to three four five, This old man, etc.
- Count footsteps, stairs, cars, shapes etc when out and about.
- Foam bath numbers and magnetic fridge numbers.
- Timed warnings – count down from 10-0 for small tasks like putting shoes on.
- 'I'm thinking of a number' game – you think of a number between 0-50 and they have to guess. They can ask questions like is it less than 5'? Eye spy with numbers.
- Use objects – lego, fruit, dolls, how many are there altogether? Try counting on from one group to get the total.





Give them mini tasks at the shops e.g. putting 6 carrots in a bag, 3 tins of tins of soup. Give the children the opportunity to pay and collect the change, discussing which coins and notes they have. Children should start to work out how to pay for simple amounts.

Create a shop! Allow children to make price tags for different items around the house and real money to play at being the shopkeeper!

I'd like teddy for 12p and a tin of beans for 10p – how much will that cost? If I give you 50p, how much change will I get?



Use digital scales to weigh out ingredients looking at the numbers and discussing the units – g, Kg ml etc. Look at the weights of the ingredients on the boxes and order items in terms of weight.

Practise doubling and halving – *If we wanted to make Nan and Grandad a cake too, what are the total ingredients we would need? If I only want to make 10 buns rather than 20, what ingredients would I need?*

Practise fractions by cutting pizzas or sandwiches into halves and quarters. *Is there a different way that I could cut my sandwich into quarters? What is the difference between a half, a quarter and three quarters? What else could you cut into halves and quarters?*



Catalogues

When deciding on birthday and Christmas presents give the children catalogues to write out and read prices. Can give them a budget to stick to.

Laundry



Let the children sort the washing! Matching and counting pairs of socks is a great way of practising odd and even numbers, counting in twos.

Piggy banks



Sort coins in a piggy bank or a jar of coins to sort different value coins.

- *Find the biggest coin, is it worth the most?*
- *Find the smallest coin, is it worth the least?*
- Put coins in order of value
- Use 2p, 5p and 10p coins to count up in 2s, 5s and 10s.
- When on holiday give children a 'budget' for them to manage and spend wisely working out how much they have spent and have left.
- How much many weeks will you need to save pocket money to buy? Keep a chart and colour in squares for each £1 or 10p saved.

Words and
books



‘Supercalifrajalisticexpealidotius’

How many letters has this word got?
If the vowels cost 10p and the
consonants 10p, how much is this
word worth?

How much would your name be
worth?

Turn to page 19/109 of the book.

Tally the number of ‘a’s on a page.

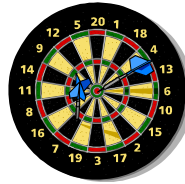
Houses



Look at the pattern of house numbers
as you walk along, *are they odd or
even? What will the next number be?
What will the number be of the house
in 10 houses time?*

*Read and recognise numbers
including numbers over 100.*

Sport and games

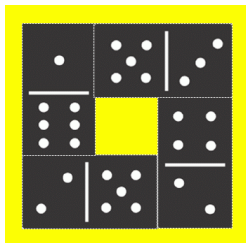


Football league tables –

Which team has the largest number of points? Cut up and reorder the tables.

Play games –

Try playing number games with cards, dominos and board games. Playing snakes and ladders backwards helps the children to count back and Yahtzee is a great game for maths!



Travel

Look at road sign – How far have you got to go? Since the sign saying 19 miles you have travelled 4, they can work out if they are nearly there!!



Order numbers on a number plate. Add the numbers on a number plate together, which is largest? Smallest? What is the difference?

Reorder the digits what is the largest / smallest number you can make? Count up in tens from that number.



Car bingo:
First person to see a circle, cylinder, 3 digit number, an even number.



Comics or
magazines

Cut pictures out of comics or magazines and make paper frames for them. Measure each length.

Dot to dot puzzles are a great way of practising number order.

Height / length

Use height charts and work out growth over time. Measure families hand spans / foot sizes.

Order objects using height and size.

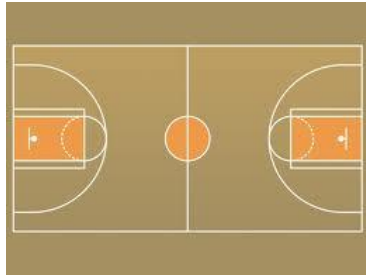
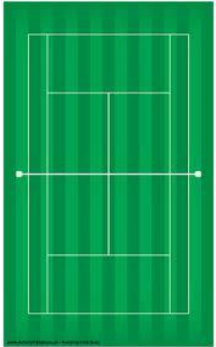
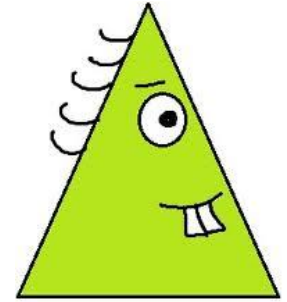
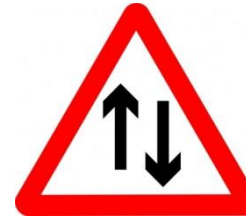


Time

Let your child borrow your watch, or even better give them one as a present!

- *Can you tell me when it is 2 o'clock?*
- *Can you tell me how long it takes us to walk to school?*
- *You can play on the computer for 30 mins. Time them on jobs they do to improve their concept of five minutes, 10 seconds etc*
- *Play games like What's the time Mr Wolf?*
- *Use calendars and diaries to help children plan out weekly activities or holidays.*
- *How many weeks until your birthday Christmas?*
- *What day is it today? Yesterday? Tomorrow?*

Shapes and patterns



How many rectangles can you find on a tennis court?
How many shapes can you find on a basketball court?

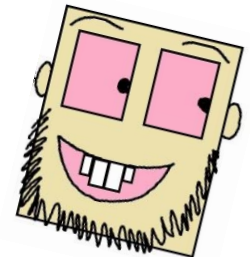
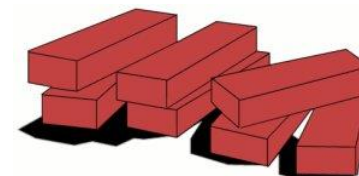
Use shells, beads, etc to make repeating patterns.



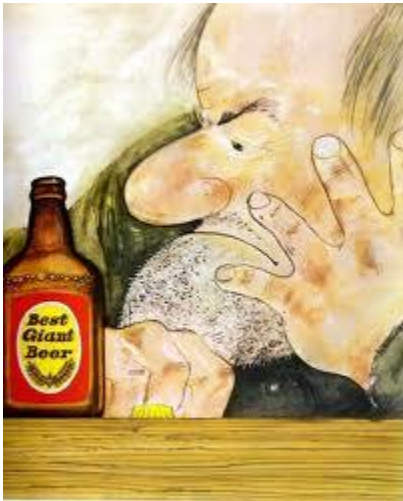
Look for shapes all around you and encourage the children to name and describe them.

Can you find a square? Cylinders?
Empty your cupboard and sort 3D shapes! Look for patterns or symmetry.

How many circles can you see? How many different shapes can you find?
Add the number of sides of each shape to give you a total score. Who got the highest? Which shape scored the highest points?



Maths Through Stories

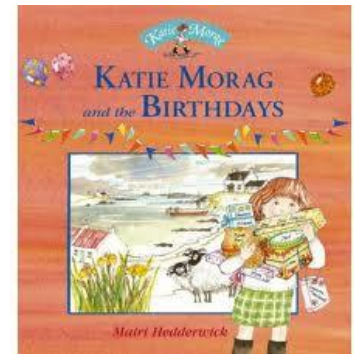


Foundation Stage and Key Stage 1

How many cats are there on the dockside in June? How many cat's eyes in total?

In which months were the people in your family born?

Katie Morag and the Birthdays



How old is Neilly Beag? On what date is his birthday? How many days does this month have?

Uncle Matthew grows his own vegetables. At home, or in the supermarket, weigh five different vegetables. Which is the lightest/heaviest? Put them in order.

How many pieces of cutlery (not including the butter knife) are on the table at the Bistro? How many would there be if another guest joined them?

Why are November the 5th and December 25th highlighted on the calendar? What other special days are there? What months are they in?

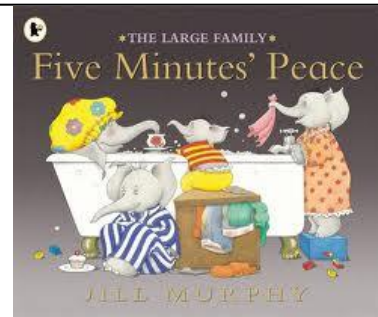
How many Robin decorations are there in the Christmas tree. How many bird's legs are there altogether?

What's the heaviest ingredient in Katie's Castle Cake? Put the ingredients in order from the lightest to the heaviest or vice versa.

In which months were the people in your family born? Learn the months of the year in order. Can you say which month is before or after a given month? Can you say which is the 1st, 2nd, 3rd etc. month of the year? How many months is it until/since your birthday?

What does a litre look like? How many millilitres will fill a mug? How much water do you think a bath will hold?

Five Minutes Peace



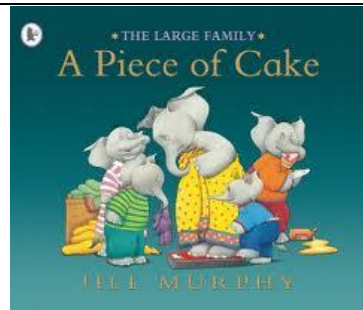
Count the number of stairs that you have. Count forwards when you go up and backwards when you go down.

How many words can you read in a minute? How many times can you write your name in a minute?

How many different shapes can you name on Luke's duvet? Which other 2-D shapes can you draw and name?

How many pieces had the cake been cut into?

A Piece of Cake



Make a cake. Weigh the ingredients carefully. Put the ingredients you use in order according to their mass. Which is the heaviest? Which is the lightest?