



*My Maths  
Challenges*

# Out and About

## Bus Stop Maths

- What is the highest bus number that stops here?
- Do any even bus numbers stop here?
- How long does it take to get to Victoria?
- It says 5mins until the next buss. What time will it arrive?
- Which bus comes most often?



## In the Street

- Find the even door numbers
- What is double that bus number?
- What time can you park here?
- Make a map of the local streets, including interesting shops or other buildings.

## In the Newspaper

- Practise finding different page numbers.
- Look at the football scores - How many more goals did Chelsea score than Arsenal?
- What is on TV tonight at 5pm?
- What is the date? How many days in this month? What month comes next?
- Learn to do the easy Sudoku puzzle.



## In the Shop

- How much does it cost? What is that in pence?
- How many grams/litres in the pack?
- Which coins will I need to buy it?
- What is change and how much do you get?
- Look out for special offers. Start to talk about what the different terms mean e.g. 10% off, buy one get one free, half price.



## In the Park

- Time yourself while you play on the swings for 10 minutes.
- How many steps up the ladder?
- How tall is the slide?
- Draw a map of the park.

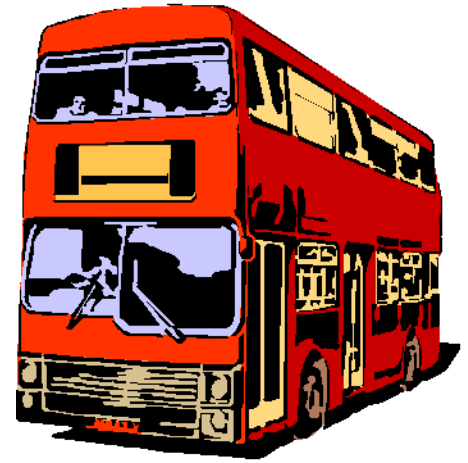
## On the Telly

- What channel is the programme on? What is double this number?
- What time does the programme start and finish? How long will it last?
- Use the TV guide to find out what is on next. What is on in two hours?
- Use a count-down timer to give limits for number of minutes watching TV.



## On the Bus

- Keep a running total of the number of people on the bus. If 3 get on, what is the new total?
- Time the journey between stops.
- How many seats on the bus?
- What is ten times the bus number?  
What is 11 more than the bus number? What is half the bus number?



## In the Bath

- Use your thermometer - how hot is the water?
- Use your timer - How many minutes will you stay in the bath?
- Collect plastic bottles. How many times does 250ml fit into a litre bottle?
- Make bubbles - write number sentences in the foam.



## Money, Money, Money

### Which Coin?

Make a selection of coins and practice recognising their value.

Can you count in each denomination e.g. 10p, 20p, 30p, 40p...etc. How many 2ps make 12p?

When you are ready, start writing amounts over a pound with a decimal point e.g. £3.99



### How much?

Make a pretend shop with labelled prices. Practise making the amounts with different coins. You can also try this out in a real shop.

### Pocket Money

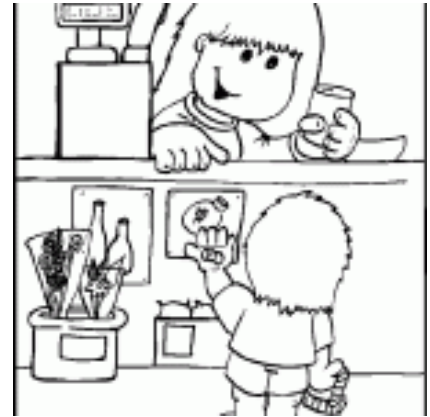
Make a list of jobs that your child can do to earn small amounts of pocket money e.g. clean your room for 12p.

Get them to keep a count of how much money they have earned so far.



## All Change

When you go shopping, talk to your child about the idea that when you don't have the right coins, you give the shopkeeper too much money and they give you CHANGE.



## Maths Time



### Count Down

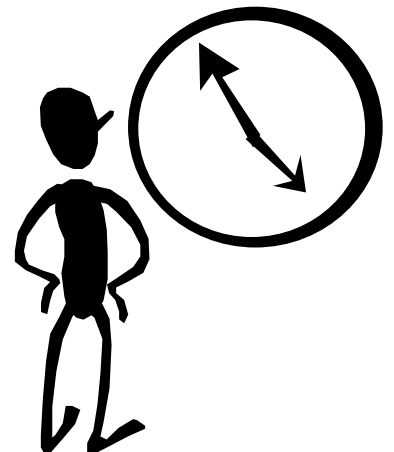
Use a countdown timer to countdown short amounts of time e.g. 10 minutes in the bath; 1 hour to play in the park; 30 seconds to put your pyjamas on.

Use different phrases like 'half a minute', three quarters of an hour etc.

### About Time

Use time words with your child, even before they learn to tell the time e.g. before, after, tomorrow, yesterday, minute, second, hour, day, morning, afternoon, evening, night.

Tell them the time that special events happen e.g. "It's eight o'clock; Time to get up!"; "It's only 5 minutes until bedtime"; "you can play on the computer for 30 minutes".



## *All About Hours*

*Start by only looking only at the hour hand (short) on the clock. Use phrases like "It is 4 o'clock. What time will it be in an hour?"*

*Get your child a watch if you can, which clearly shows the hours.*

*You can also make a clock with a paper plate.*



## *Minute by Minute*

*When telling the time, use extra questions like; 'How many minutes to the next hour?'*

*'What time was it ten minutes ago?'*

*'How do you write that on a digital clock?'*

*'What time will it be in half an hour?'*

*'Is it am or pm?'*

## Measure Up



### How Much Water?

Collect a selection of measuring jugs, spoons and plastic bottles and investigate how many millimetres make a litre (1000).

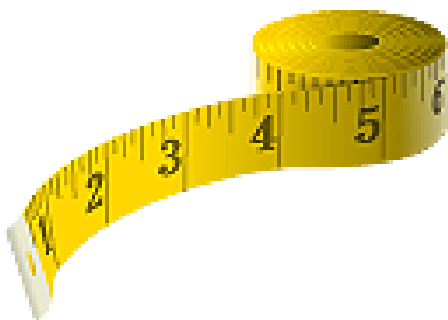
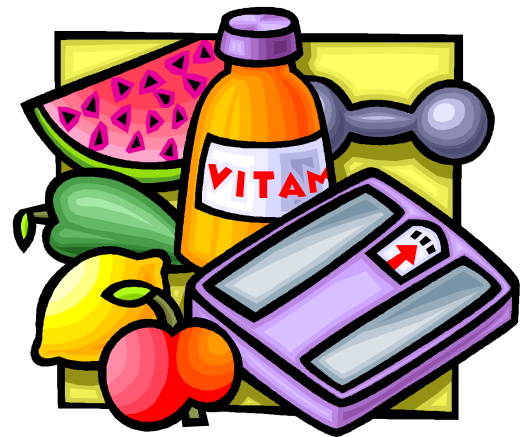
Can you find half a litre? How many millilitres is that?

Bath-time is a great time to investigate capacity...

### How Heavy?

Use a selection of packets and tins of food to investigate how heavy a kilogram is. Can you find something that weighs 100g? How many grams make 1kg?

Do you have scales in the bathroom or kitchen? What are the divisions on the scale?



### How Long?

Use different types of tape measures and rulers to measure objects at home. What would you measure in metres? How many centimetres are the same as a metre?

Keep a chart of how tall you are at home.



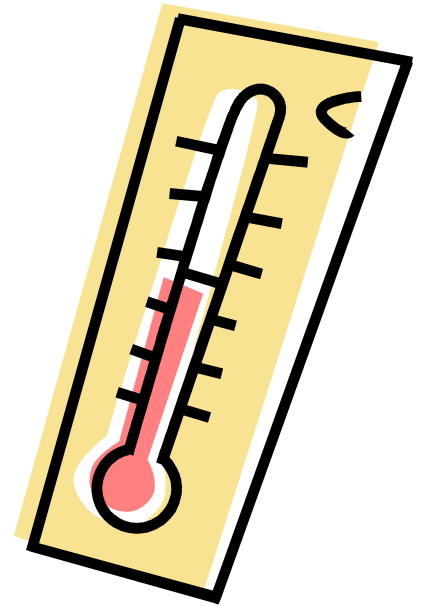
## How Hot?

Talk about the weather and the temperature. How hot do you think it is today?

Use the news, newspaper or internet to find the temperature. Is it hotter than yesterday? By how much?

If you have a thermometer, practise reading the scale to find the temperature.

Look at the temperature scale on your oven. How hot can it get?



## Getting Organised

### What's in the Cupboard?

Sort the food in the cupboard by shape (cylinders, cuboids, cubes, prisms), colour, size or name.

Count the number of tins of food. What is half the number of tins?

How many boxes are there than bottles?

Draw a bar graph to show the different types of food.



## Make a Timetable

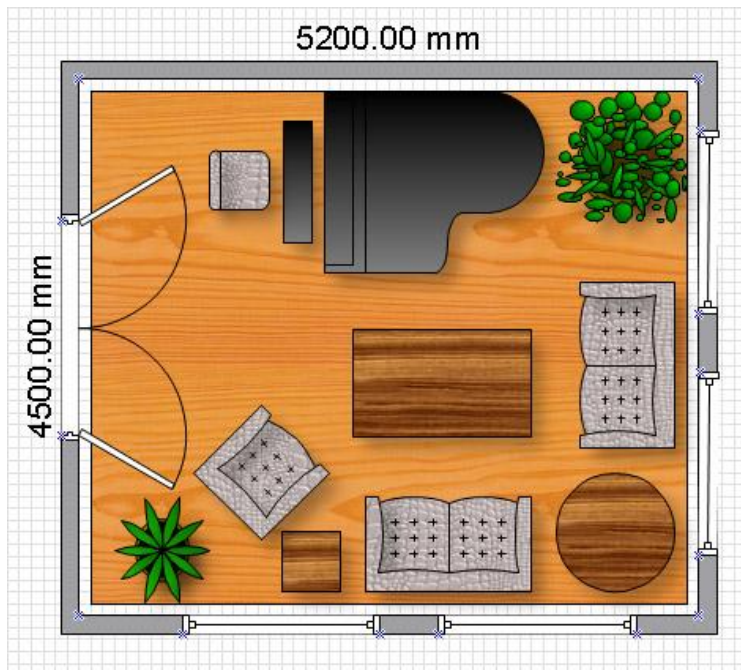
Make a weekly timetable and get your child to use it daily. Put on it what day to bring PE kit, homework, clubs and any other special events in the week.

How many times a week do you have maths?

How many maths lessons would there be in 3 weeks?

What day is PE?

What time is lunch?



## Plan a Room

Measure the bedroom using a tape measure and use the values to draw a plan on a piece of paper.

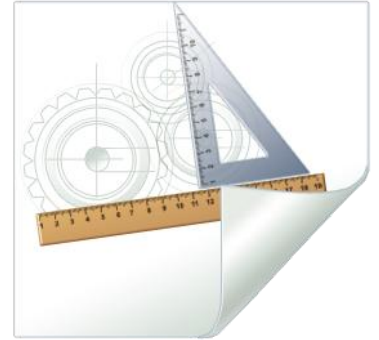
Use the internet or a catalogue to choose new furniture and work out whether it would fit. Set a price limit. How much will it cost?

## Symmetry

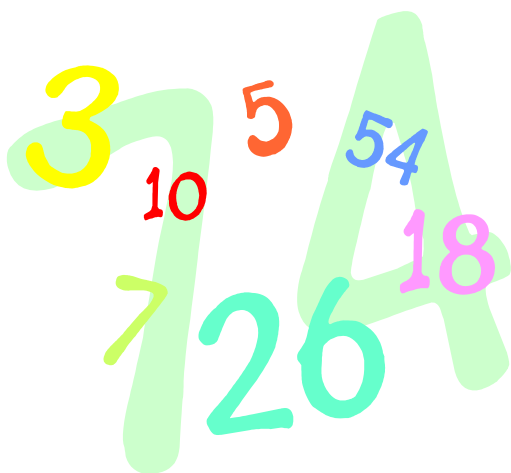
Use mirrors and tracing paper to investigate what happens when you reflect and rotate (turn) shapes and patterns.

What happens when you trace a simple picture and then turn the paper over? Do some pictures look the same?

What happens when you look at patterns in the mirror?



## Maths Poems



One little, two little, three little

1 little, 2 little, 3 little...

4 little, 5 little, 6 little...

7 little, 8 little, 9 little...

10 little...s

(Use indians, dinosaurs, buttons,  
wild things)

*The wheels on the number bus*

*The passengers get on the bus,  
12345, 12345, 12345,*

*The passengers get on the bus,  
12345,*

*Stop after stop!*

*They take their tickets,  
12345, 12345, 12345*

*They take their tickets,  
12345,*

*Stop after stop!*

*They hand over there 1 pound,  
12345, 12345, 12345,*

*They hand over their 1 pound  
12345,*

*Stop after stop!*

*They take their seats,  
12345, 12345, 12345,*

*They ring the bell to stop,  
12345, 12345, 12345...*

*They thank the driver,  
12345, 12345, 12345,*

*They jump off the bus and wave  
goodbye,*

*Stop after STOP!*



*Twinkle, Twinkle, count to 10*

*Using my fingers,  
1 and 2 and 3 and 4  
I can count and count some more.  
5 and 6, 7, 8, 9, 10  
Lets count them all again  
(repeat)*

*(to the tune of Twinkle Twinkle)*



*One, two, buckle my shoe*

*1, 2, buckle my shoe,  
3, 4, knock on the door,  
5, 6, pick up sticks,  
7, 8, lay them straight,  
9, 10, do it all again!*

*This old man...*

*This old man he played 1,  
He played nick nack on his drum.  
With a nick nack paddy wack  
Give a dog a bone,  
This old man came rolling home.*

*This old man he played 2,  
He played nick nack on his shoe.*

*This old man he played 3,  
He played nick nack on his knee,  
With a nick nack paddy wack,  
Give a dog a bone,  
This old man came rolling home.*

*This old man he played 4,  
He played nick nack on his floor.*

*This old man he played 5,  
He played nick nack while he dived.  
With a nick nack, paddy wack  
Give a dog a bone,  
This old man came rolling home.*

*This old man, he played 6,  
He played nick nack on some sticks.*

*This old man he played 7,  
He played nick nack on the way to  
heaven.*

*With a nick nack paddy wack,  
Give a dog a bone,  
This old man came rolling home.*

*This old man, he played 8,  
He played nick nack on his gate.*

*This old man, he played 9,  
He played nick nack on the grape  
vine,*

# PIMLICO PRIMARY



*With a nick nack, paddy  
whack,  
Give a dog a bone,  
This old man came  
rolling home.*

*This old man, he played  
10,  
He played nick nack on  
my hen.*