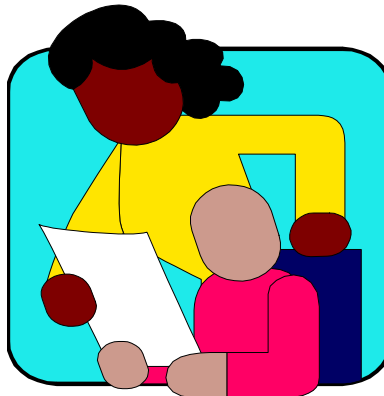
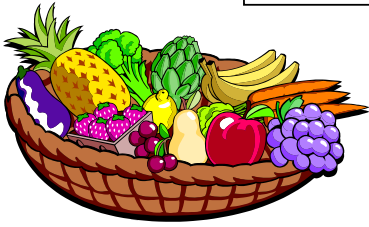


# Mathematics Activities for Home



# Talk about numbers!!



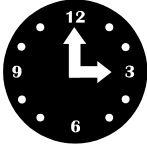
- looking at prices
- calculating change - which coins, different combinations
- deciding on coins to pay a bill
- guessing the value of a coin from a description
- weighing fruit and vegetables in the supermarket
- counting pocket money
- calculating the price of a holiday from brochures
- reading labels on bottles, packets, in order to discuss capacity, weight, shape, colour
- estimating the final bill at the end of shopping while waiting at the cash out
- calculating VAT, calculating foreign currency exchange rates
- purchasing litres of petrol and calculating total cost
- calculating discounts eg 20% reduction, 50% sale price
- calculating how many tins fill an area on a shelf
  
- using shopping bills to calculate change
- estimating how many apples, tomatoes in a pound
- calculating bank accounts and rates of interest

- calculating postage on letters using first or second class stamps
- writing and sorting shopping lists
- rubbings of different coins – can we recognise the value?
- talking about the different shapes of packets, tins etc.
- calculating the cost of a meal using a menu
- compare the prices of the same item in different shops
- using a collection of receipts as a basis for addition, etc
- calculating the cost of the contents of a lunch box
- using a scanner in a supermarket
- using the till receipt to check the shopping
- calculating price per pound, kilogram, etc
- Calculating the cost of the family going to the cinema, swimming baths, etc



## Think about numbers!!

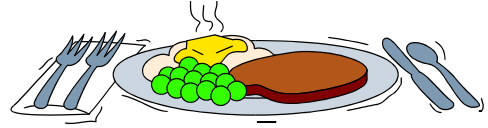
- 🕒 looking at the clock - identify the numbers
- 🕒 telling the time
- 🕒 calculating how long a journey will take looking at train/bus/airline timetables
- 🕒 using TV guide to calculate the length of programmes
- 🕒 programming the video, the microwave
- 🕒 discussing the seasons
- 🕒 looking at a calendar - days, weeks, months
- 🕒 planning out birthdays and discussing how many weeks
- 🕒 estimating how long it will take to walk/drive to school
- 🕒 identifying the day of the week on a newspaper
- 🕒 calculating time differences in foreign countries
- 🕒 calculating the age given a date, eg I was born in 1954, how old am I? The building was built in 1860, how old is it?
- 🕒 discussing the age of family members, putting them in order
- 🕒 calculating the time if the clock is 10 minutes fast, 10 minutes slow
- 🕒 trying to find a clock in every shop on a visit to town
- 🕒 looking at the posting times on the post box
- 🕒 discussing events in the day eg tea time, bed time, bath time
- 🕒 setting the radio alarm
- 🕒 standing still for a minute – count 60 seconds
- 🕒 looking at different types of clocks
- 🕒 looking at the headstones in a graveyard to calculate ages, etc
- 🕒 using Teletext on TV
- 🕒 Vocabulary of time – decade, century, millennium
- 🕒 using clocks - analogue and digital



# Day to day maths

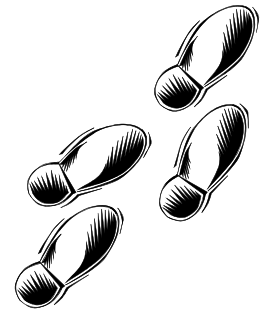


- the main events of the day eg breakfast, lunch
- routines and what comes next
- the parts of a recipe, set of instructions
- getting dressed
- tying shoe laces
  
- the seasons of the year, months of the year
- instructions to make a cup of tea
- tying laces

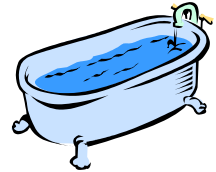


# Next steps

- calculating distances in a journey eg how much further? How many miles to the litre?
- calculating heights of family members - who is the tallest?
- measuring weights of ingredients for baking
- playing with plastic jugs and containers in the bath
- measuring a distance using hand spans, footsteps
- reading a map to calculate the distance of a journey
- using non-standard measures to decide a measurement
- comparing sizes of clothes - bigger than, smaller than
- calculating areas eg how many squares on the patio, how many tiles in the shower?
- calculating in DIY activities eg estimate amount of carpet, curtain material, paint etc
- looking at bottles and discussing capacity of various containers
- recording the growth of plants in the garden
- estimating the length of the holiday journey
- drawing simple plans of the bedroom, the kitchen, the garden
- looking at road signs to discuss distances
- comparing the shoe sizes within the family
- identifying position on an OS map using co-ordinates and grid references
- calculating capacity of coke can, milk cartons, etc
- reading the scale on weighing machines and calculating the calibrations



- measuring ingredients out for a recipe using different types of spoons
- comparing journey distances using different routes
- 
- calculating the capacity of the bath using a variety of containers
- converting miles to kilometres on a car journey
- discussing oven temperature when cooking
- monthly diary of own weight, height, etc
- matching metric weight of article to that on the label
- using different length measuring devices eg rulers, tape measures



- weighing different toys to find heaviest, lightest, two the same, etc



- talking about thermostats in the home
- water consumption/wastage in the home
- measuring the growth of plants using non-standard measures
- estimating the quantity of milk from cow/herd
- estimating the amount of time to harvest a field
- making orange squash – how many cups can you get from one bottle?

- weighing unusual items eg snails
- discussing the weight of your pet at the vets
- estimating with string the circumference, perimeter of a puddle made by pouring 1 pint of water on the ground



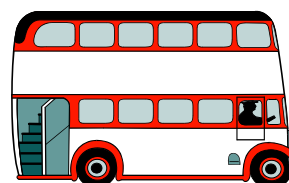
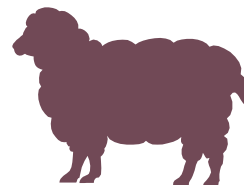
- estimating then counting the squares contained in the outline of a hand/foot
- making clothes for toys to scale

- wrapping parcels - what amount of paper, string do we need?

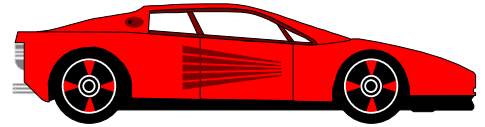


# Numbers are fun!!

- collections of objects - shells, buttons, pretty stones
- cars on a journey eg how many red cars?
- animals in a field eg sheep, cows
- stairs up to bed, steps etc
- stepping stones in the garden
- railings around the school, park, garden
- lamp posts, gates, road signs
- house numbers but emphasising odd and even
- sports scores - cricket averages, goal averages
- pages in a story book
- traffic to pass a house and draw graphs, pie charts to represent data
- counting up to 10, 20, 100 – backwards and forwards
- counting buttons, shoes, socks as a child gets dressed
- tidy a cupboard or shelf and count the contents eg tins, shoes, etc
- rows of seeds in the garden and plants in pots etc
- counting particular vehicles on a journey eg Eddie Stobart lorries, motor bikes, etc
- using magnetic numbers to make sums on the fridge door
- counting the legs on pub signs eg Duke of York, The Horse and Farrier
- tally charts eg bird survey
- on a bus journey count how many people on the bus, how many get off, etc



# Have fun with numbers



- using car number plates - add the digits to find biggest, smallest and total
- sharing out sweets, toys etc in groups of 2, 3, 4, 5, 6 etc to help with times tables
- looking for numbers - in shops, on buses, doors, cars
- using telephone numbers - add the digits to find the nearest to 20, 30 etc
- using telephone numbers - value of each digit
- using sandwiches to show fractions  $\frac{1}{2}$ ,  $\frac{1}{4}$
- using a round sandwich cake to show fractions  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{6}$ ,  $\frac{1}{8}$  etc
- looking at house numbers along the street
- looking in newspapers at sports results – calculate average scores, average crowds, etc
- looking at speed limits on a journey
- finding ‘big’ numbers in newspapers
- pressing the digits on the telephone to make a call with an adult
- looking for numbers in the home eg washing machine, thermometer, cooker



- checking the temperature in different parts of the world in a newspaper
- calculating the age of a car, wagon, coach from the number plate
- on a visit to town – can you find a number 5, 6, etc? •
- collecting data and representing in pictorial form eg graph, pie chart
- reading meters eg electricity, gas
- using TV weather forecast to discuss temperature, wind speed, wind direction, etc
- folding towels to show  $\frac{1}{2}$ ,  $\frac{1}{4}$
- calculating the number of twin lambs born
- using the appropriate vocabulary eg position – on, over, up, down, above, below
- keeping a height chart in the kitchen/bedroom



# Numbers help you...

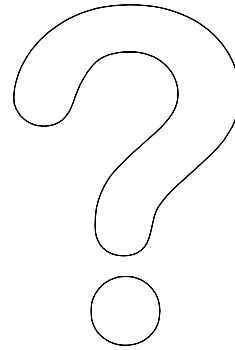
- lay the table for four people
- plan a TV viewing session
- plan a day out for the family



# You need numbers to solve problems

In relation to planning:

- school visits
- menus
- school teams
- sports day
- family day out to a theme park
- family day out to the shops



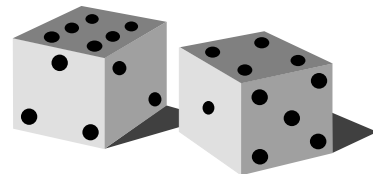
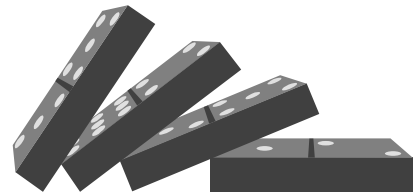
# Numbers are everywhere

- singing nursery rhymes and songs
- clapping in different sequences
- reading stories with a number element
- games of chance
- calculator fun games
- looking for shapes in the environment eg windows
- looking for and making patterns eg bricks in a wall, square tiles on a floor
- playing with a number line or number square
- using a thermometer to read temperature - identify negative numbers
- identifying angles eg right angles
- looking at symmetry eg petals on a flower
- making 3D shapes in card
- tessellating shapes eg tiles in the bathroom
- grabbing straws – estimating a group of 10, 12, 15, etc
- counting how many items will fit into a match box or film canister
- using fridge magnet numbers and sponge numbers around the house
- making a 50cm string circle – how many items will fit in it?
- make a scrap book of numbers
- learning times tables - tape on a car journey
- using cross stitch and mosaics - shape, counting and symmetry
- making sandcastles and discussing different shapes
- using salt dough, plasticine to make numbers
- using a compass when on a walk to check direction, degrees, angles

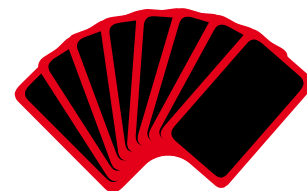
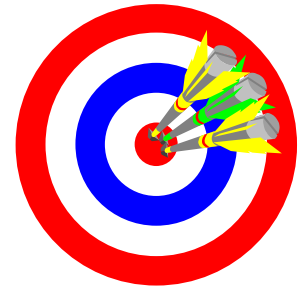


# Games to play

- Skipping - every skip count, 2, 3, 4 etc
- Hop scotch
- Ludo
- Snakes & Ladders
- Dominoes
- Cards - number sequences
- Bingo
- Dice
- Yahtzee
- Darts
- Heads & Tails and keep a tally
- Chess and draughts
- Monopoly
- Computer programmes
- Beetle
- Bridge
- Snap



- Connect 4
- Counting games to practise times tables
- I spy a number in town, on a journey
- Number jigsaws
- Rummy
- Patience
- Clock golf, croquet, crazy golf on holiday to help counting
- Snooker
- Pool
- Number Lotto
- Dot to dot with numbers
- Skittles
- Polydron
- Happy families
- Whist
- Shuttle table
- Quoits
- Pontoon
- Cribbage
- Number crosswords, dot to dot, puzzles
- Rubik cube





# Sort numbers – match numbers!!

- ◆ setting the table - 1 to 1 correspondence and sorting cutlery, sorting buttons, beads, colours of pegs, sweets, biscuits, containers, seeds for the garden, flowers
- ◆ sorting clothes for washing - size, colour
- ◆ matching pairs of socks, gloves, shoes
- ◆ ordering a group of items by size
- ◆ threading beads on a string to a set pattern
- ◆ sorting groceries

