

Year 1

Number - Objectives

- Count to 100 forwards and backwards
- Recognise and write numbers to 100
- Count in 2s, 5s and 10s
- Find one more or one less
- Count objects accurately
- Know which pairs of numbers combine together to make 10: 1+9, 2+8, 3+7, 4+6, 5+5 (These are often referred to as 'Number Bonds')
- To know the reversal: 10-1=9, 10-2=8, 10-7=3, 10-6=4, 10-5=5
- Add one-digit numbers to two-digit numbers to 20, e.g. 18+5=13
- Subtract one-digit numbers from two-digit numbers to 20, e.g. 17-3=14
- Use the words: all together, add, take away, distance between, more than, equal to, less than, most, least
- Recognise a half as one of 2 equal parts of an object or shape
- Recognise a quarter as one of 4 equal parts of an object or shape

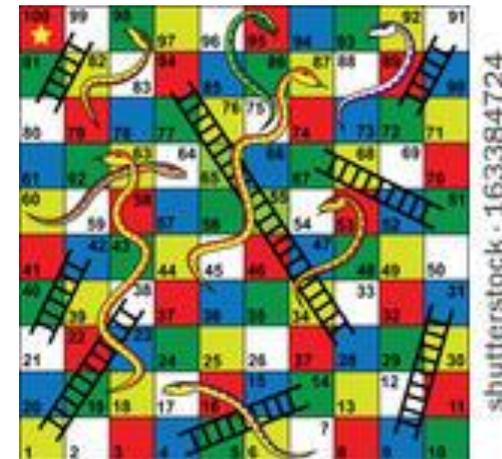
Number - Activities

- Snakes and ladders
- Play dominoes
- Any board game with numbers on the board
- Counting stairs; count in 1s forwards and backwards and then in 2s
- Reading house numbers on walks - can they predict the next house number?
- Counting toys, fruit, clothes etc and asking what would be 1 more/1 less?
- Writing numbers: chalks on the path, water and paint brushes.
- Use magnetic numbers on the fridge to solve number bonds.
- When preparing food, talk about halves being 2 equal parts or quarters being 4 equal parts
- Internet games: www.ictgames.co.uk , e.g. Save The Whale to help with number bonds

www.bbc.co.uk/bitesize/maths/games

www.coolmathsgames.com

www.nationalnumeracy.org.uk



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Measuring - Objectives

- Investigate and measure lengths, height, weight, capacity and volume
- Use the words: long/short, longer/shorter, tall/short, double/half, heavy/light, heavier than/lighter than, full/empty, more than/less than, half, half full, quarter
- Talk about time using the words quicker/slower, earlier/later, hours/minutes/seconds
- Use the words: before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening, days of the week, months, years
- Read the time to o'clock and half past
- Know the values of coins and notes



Measuring - Activities

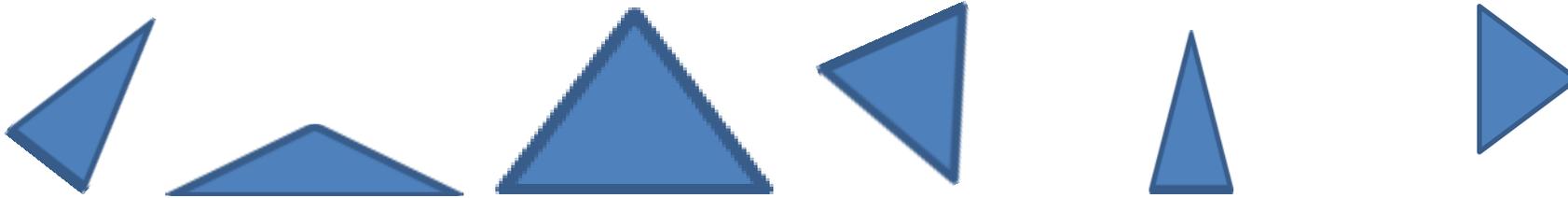
- Measure members of the family- can you put them in order of height? Weight? Using the language of taller than, shorter than, lighter than, heavier than...etc.
- When cooking and preparing food look at the scales, use measuring spoons, scales and other measuring equipment in the kitchen. Read the measurements.
- Use measuring jugs in the bath!
- In everyday routines, like getting ready in the morning, use the time words, e.g. 'Put your socks on before your trousers', 'Tomorrow it is the weekend', 'Your birthday is in x month'
- Know and talk about times of the day and look at the clock, e.g 'Breakfast is at 7 o'clock in the morning', 'Bed time is at half past 7 in the evening'
- Look at pocket money and know which coins are which



- Involve your child when buying things with cash ~ talk about the coins needed. Are there any other ways we could make 50p? £1? Etc
 - Measuring games: www.maths-games.org/measurement-games
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Geometry - Objectives

- Recognise and talk about 2D shapes- squares, circles, triangles etc.
- Recognise and talk about 3D shapes- cuboids, cubes, pyramids, spheres.
- To find these shapes in everyday objects and be able to identify them as shapes.eg cube- oxo cube, dice.
- To be able to recognise shapes in different orientations and sizes eg, a triangle:



- To be able to describe position eg, left and right, top, middle, above, close and far, up and down, forwards and backwards, inside and outside.
- To understand what a whole turn looks like.
- To understand what a half, quarter and three quarter turn looks like.
- To link the turns to movement on a clock face, eg, quarter past, half past.



Geometry activities

- To look around the home and on route to school at objects or images that are a recognisable shape to the children- windows, bricks, slabs, items around the home including food packets. Can the children name the shape and talk about how many sides, corners they have. How do they know it is a circle? Or a sphere?
- A useful website for shapes names:
www.mathsisfun.com/shape www.youtube.com for shape names. www.pinterest.com for positional language games.
- Using a clock- or a paper plate with moveable hands- "can we turn the hands a quarter of the way around the plate?" a whole turn."
- Card games- pick a card with an instruction (you could write your own) eg,

**Half
turn**

**1 whole
turn**

**1 quarter
turn**

**Make a three
quarter turn**