

### Real life links:

**Number** - Play games like snakes and ladders that involve counting, addition and subtraction. Play card games that require and practise mental agility like Pontoon - making numbers to 20. Collect the numbers from car registration plates and put them in order. Look for multiples of 2 (ends in 0, 2, 4, 6, 8), look for multiples of 5 (0, 5), multiples of 10 (0), multiples of 3 (digits add up to 3, 6 or 9 e.g. 432 =  $4+3+2=9$ ).

**Cooking** (Measures - mass) - can children estimate different measures? Do they know what 10 grams/10 ml/1 kilogram looks/feels like?

**Travel** (Measures - linear measurement) - can children estimate distances? Can they find objects that could be measured in mm, cm, m? Can they estimate lengths/distances then measure them accurately?

**Gardening** - Plant and grow different fruit and vegetables. Measure and weigh them. Which is the shortest/longest? Which is the lightest/heaviest? Place them in order.

**Money** - Can children recognise the different denominations? Can they add sums of money? Can they work out change? Can they order prices?

**Time** - Can children tell the time? Digital and analogue? Link to TV programmes and programming the video/DVD. Can they estimate a length of time? Can they calculate the duration of programmes?

**Shape** - Play shape bingo. At home or on a journey, how many circles, squares etc. can they spot? Give them different point values. Look at road signs, road markings, directional arrows etc. Draw them/take a digital photo and group them according to the number of sides they have.

Interact with your child as much as possible.

Exploit opportunities to engage your child in conversation. Ask questions and encourage your child to ask questions and take an interest in the world around them.



### Useful Websites

[www.bbc.co.uk/schools/parents](http://www.bbc.co.uk/schools/parents) - has links to a range of games and activities designed to support learning in mathematics and develop a positive attitude towards learning.

[www.counton.org.uk](http://www.counton.org.uk) - online Sudoku, games including fractions, ordering numbers, mental arithmetic and number crosswords.

[www.funbrain.com](http://www.funbrain.com) - American based website with fun games on a wide variety of mathematical themes with different levels of challenge.

[www.murderousmaths.co.uk](http://www.murderousmaths.co.uk) - fun activities, puzzles and mathematical tricks to amaze family and friends together with facts for the curious learner.

[www.nrich.maths.org.uk](http://www.nrich.maths.org.uk) - more challenging games for the very keen mathematician

# Home Learning



## Parents in Partnership



# Mathematics

## Year 3