

Willow and Ash Base

Helping your child learn at home in

MATHS



In the street

- Count the numbers of tyres you see on cars by counting in multiples of 4.
- Look at bus numbers, round to the nearest 10/100
- Spot horizontal, vertical, parallel and perpendicular lines outside, can you see one of each? (road signs, street

signs, road markings, outdoor benches)



Time

- Use timers, phones and clocks to measure periods of time in minutes and seconds.
 - Take it in turns to run a set distance (or set up an obstacle course!) Time each person, who was quickest? By how much?
 - Tell the time to the nearest 5 minutes. Convert the time from analogue to digital and vice versa.
 - Use vocabulary such as a.m, p.m, morning, afternoon, midnight and midday.
- Know the number of seconds in a minute, minutes in an hour and hours in a day. Ask your child to convert between the two. E.g. How many seconds in 3 minutes?

Food!

- Cut a cake into quarters, fifths, sixths, etc. Are any two fractions the same? E.g. $\frac{2}{6}$ and $\frac{1}{3}$.
- Open a bag of different coloured sweets, what fraction are red? Yellow?
- Follow a recipe, measuring and weighing ingredients.



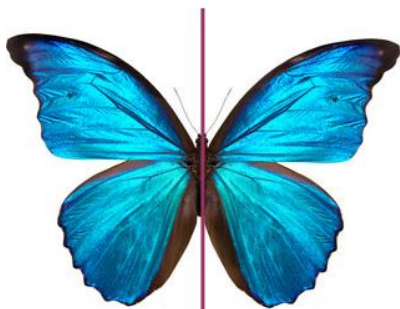
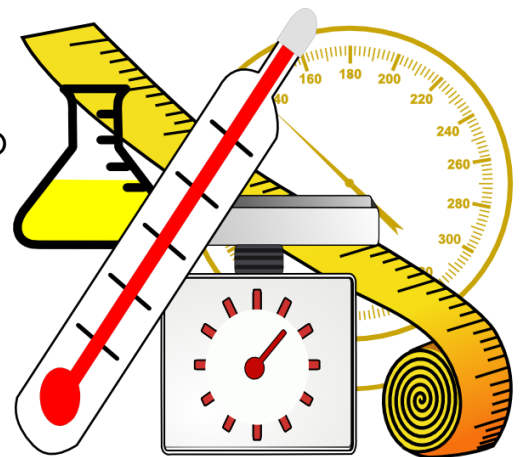
Going shopping

- Work out total amounts and change from different payments. E.g. how much change from £5? £10?
- Look at money as decimals. E.g. in £2.34 there are 2 wholes, 3 tenths and 4 hundredths.



Measuring

- Find different 2D shapes in the house and estimate what the perimeter might be. Then measure to check.
- Discuss what would be an appropriate unit of measurement for different items. E.g. would you measure the distance to school in cm, metres, or km?



Shapes/directions

- Find images around the house or outside that have lines of symmetry.
- Create a picture with symmetry.

Data Handling

- Hold a questionnaire to gather data with friends or family. This could be based on anything from their favourite film to something related to their topic in school. Use the results to put data into a bar chart.
- On a rainy day, collect rainfall at regular intervals throughout the day. Use the results to create a time graph.
- Ask your child questions about their graphs and charts. How many more/fewer..., What is the most/least popular..., How many altogether..., etc.



Games

- Junior Monopoly
- Uno (use number bonds to work out each other's score at the end of the game)
- Card games such as Blackjack



Times Tables

- By the end of Y4 children should know all their times tables up to 12x12 and the related division facts!
 - look for patterns in the numbers (odd/even, they end in a 5 or 0, etc). Splat Square (online, see below) is great for this!
 - If your child knows their 3x tables, by doubling they know their 6x tables, look out for other patterns like this.
 - <https://www.mathsisfun.com/multiplication-tips-tricks.html>
 - Practice, practice, practice!

Internet maths games:

<http://www.primarygames.co.uk/pg2/splat/splatsq100.html>

www.mathszone.co.uk

<http://www.bbc.co.uk/bitesize/ks1/maths/>

<http://www.ictgames.com/resources.html>

www.coolmath4kids.com

www.topmarks.co.uk

<http://www.iboard.co.uk/activities>

