Helping your child with maths

Here are some of the mathematical concepts children should know by the end of year 6.

Money

- Make sure your child knows what each coin looks like and the value.
- They need to understand that 10p is the same as 10 lots of 1p and 20p is the same as 20 lots of 1p or 10 lots of 2p.

Can they add up the cost of some items on your shopping list?
Can they work out what change you will get?
Give your child a receipt. What different combinations can they use to create the total?
Can they convert pounds to pence and vice versa?

Time

- Tell the time to the nearest minute.
- Use terms like a.m/p.m afternoon, noon, midnight.
- Can they compare the duration of 2 events?
- Know the number of seconds in a minute, days in each month and days in a year / leap year.
- Know the 24-hour clock and compare analogue and digital?
- Can they read a timetable?

Measure

- Measure and estimate in cm and m
- Measure and estimate in g and kg
- Measure and estimate in litres and ml
- Convert between measures. Kg to g, L to ml, metres to cm and mm and vice versa.
- Can they use imperial measures? (Inches, miles, pints etc)
- Calculate the perimeter and area of a rectangle

Could children help you to measure grams and ml when cooking?
Can they measure growth in m, cm, mm?

Number

- Can they read, write and compare numbers to 10 million?
- Do they understand tenths? Hundredths? Thousandths?
- Find 10, 100, 1000 more or less than a given number.
- Multiplication and division facts for all times tables up to 12 x 12 should be secure.
- Can they identify the factors of a number? (E.g. the factors of 12 are: 1 x 12, 2 x 6, 3 x 4)
- Round a number to the nearest 10, 100 and 1000.
- Add and subtract numbers with 4 digits.
- Multiply and divide by 10, 100 and 1000.

Shape

- Can they name 2d and 3d shapes?
- Can they identify the number of faces, edges and vertices?