

Fun activities to do at home

Shopping maths

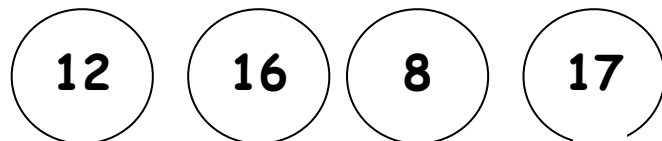
After you have been shopping, choose 6 different items each costing less than £1. Make a price label for each one, e.g. 39p, 78p. Shuffle the labels. Then ask your child to do one or more of these.

- ◆ Place the labels in order, starting with the lowest.
- ◆ Say which price is an odd number and which is an even number.
- ◆ Add 9p to each price in their head.
- ◆ Take 20p from each price in their head.
- ◆ Say which coins to use to pay exactly for each item.
- ◆ Choose any two of the items, and find their total cost.
- ◆ Work out the change from £1 for each item.

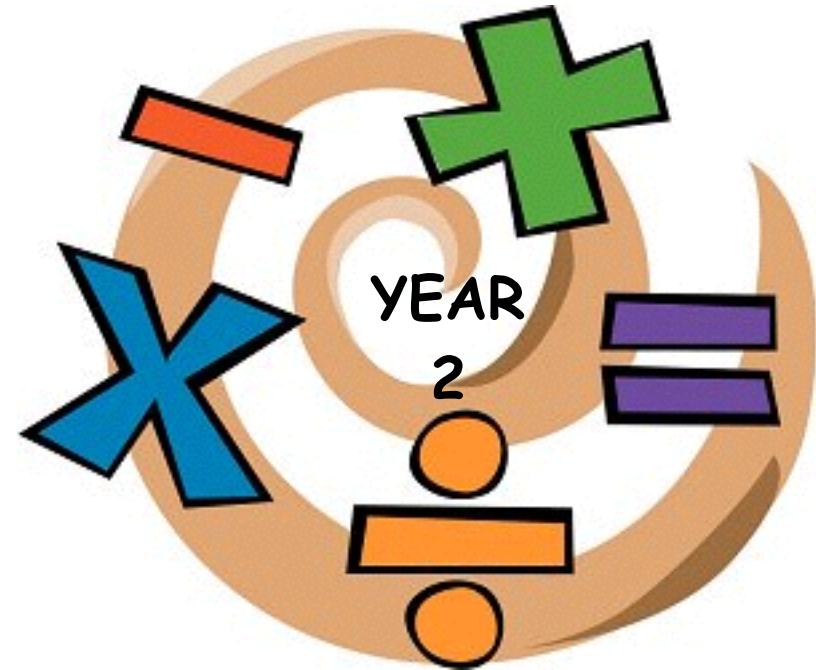
Circle trios

Draw four circles each on your piece of paper. Write four numbers between 3 and 18, one in each circle.

- ◆ Take turns to roll a dice three times and add the three numbers.
- ◆ If the total is one of the numbers in your circles then you may cross it out.
- ◆ The first to cross out all four circles wins.



Maths at Pensans in Year 2



A booklet for parents

This booklet provides information on the maths taught in Year 2, including methods of calculation. It also includes End of Year expectations for children in Year 2, as well as ideas and activities to try at home.

National Curriculum Expectations at the end of Year 2

The new National Curriculum is divided into different aspects of maths:

Number and Place Value, **Calculations**, **Fractions**, **Measurements**, **Shape**, **Graphs and Data**.

During KS1, there is a big focus on developing basic number skill. That means a good understanding of place value and recognising number bonds.

Number bonds are essential to the understanding of maths. Children in Year 2 learn bonds to 20, that is being able to quickly recall the total of any two numbers up to 20 eg $5 + 9 = 14$ rather than counting on.

Number and Place Value:

- * Recognise place value in 2-digit numbers e.g. knowing that the '1' in 17 represents 10.
- * Read and write numbers up to 100 as words and digits
- * Count in 2s, 3s and 5s
- * Compare and order numbers to 100
- * Use < and > to represent the relative size of numbers eg 'greater than'

Calculations

- * Recall number bonds to 20 fluently
- * Add and subtract numbers mentally and using objects including 2-digit numbers
- * Show that adding two numbers can be done in any order, but subtraction cannot
- * Learn that + and - are inverse operations
- * Learn the multiplication and division facts for the 2x, 5x and 10 x tables.
- * Show that multiplying two numbers can be done in any order, but dividing cannot
- * Solve problems using the x and ÷ symbols

Fractions

- * Find $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ of an object or number of objects
- * Find the answer to simple fraction problems such as find $\frac{1}{2}$ of 6

Measurements

- * Use standard units to measure length (cm and m), mass (g and kg) and temperature (°C) and capacity (ml and l)
- * Use £ and p symbols for money amounts
- * Combine numbers of coins to make a given value, eg to make 62p
- * Tell the time to the nearest five minutes on an analogue clock
- * Know the number of minutes in an hour and hours in a day

Shape

- * Identify the number of sides and a line of symmetry on 2-d shapes
- * Identify the number of faces, edges and vertices on 3-d shapes
- * Use mathematical language to describe position and direction, including rotation and turns

Graphs and Data

- * Construct and understand simple graphs such as bar charts and pictograms

About the targets

These targets show some of the things your child should be able to do by the end of Year 2.

At the end of Year 2, all children will sit the National Curriculum Tests for Key Stage 1. This will include a short arithmetic test of 15 questions, and a second paper of broader mathematics which will last around 35 minutes.