Fun activities to do at home

Mathletics

Your child has a login and password in the front of their reading journals. They can complete set weekly homework and play games against others in school or around the world.

99 Maths Club

Practice sheets to complete on the school website-under School Info tab- See if you and your child can increase your mental arithmetic by competing against each other.

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.

Maths at Pensans in Year 2
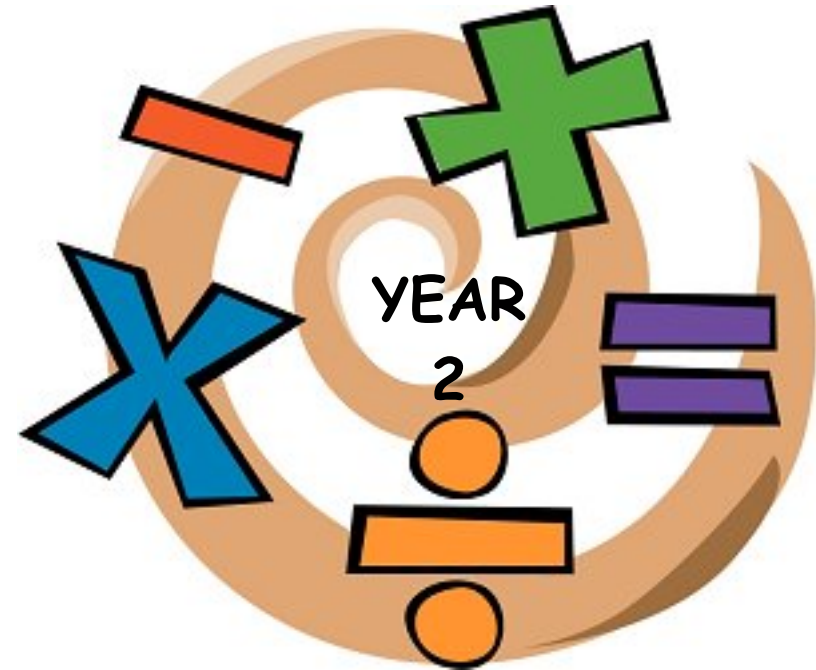
YEAR 2

A booklet for parents

This booklet provides information on the maths taught in Year 2 through mastery, 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/Geometry and Statistics.

Number and Place Value:
I can count in steps of 2, 5 and 10 from 0 .
I can count in 3's
I can count in 6's
I can recognise the place value of each digit in a two-digit number.
I can begin to recognise the place value of of each digit in a 3 digit number
I can estimate numbers using different representations, including the number line.
I can compare and order numbers from 0 up to 100 and begin to 1000 using <, > and = signs.

Place value is central to maths. Understanding that the '5' in 54, has a different value from the number 5, or the '5' in 504 is an important step in your child's maths learning.

Calculations
Addition and subtraction
- I can solve problems with addition and subtraction, applying my increasing knowledge of mental and written methods
- I can recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100
- I can show that addition of two numbers can be done in any order and subtraction cannot.
- I can show that addition of two numbers can be done in any order and subtraction cannot.
- I can recognise and use the inverse operation between addition and subtraction to check my number sentences are correct and solve missing number problems
- I can add a two-digit number and ones using objects, pictures and mentally.
- I can subtract a two-digit number and ones using objects, pictures and mentally
- I can add a two digit number and tens, using objects, pictures and mentally
- I can subtract a two digit number and tens, using objects, pictures and mentally.
- I can add three one-digit numbers, using objects, pictures and mentally
- I can subtract three one-digit numbers, using objects, pictures and mentally

Multiplication and division
- I can read, write and understand sums using (x), (/) and (=) signs
- I can show that multiplication of two numbers can be done in any order (commutative) but division of one number by another cannot.
- I can solve problems involving multiplication using concrete objects, pictorial representations and arrays
- I can solve problems involving division using a variety of methods
- I can recall and use multiplication and division facts for the 2 times tables
- I can recall and use multiplication and division facts for the 5 times tables
- I can recall and use multiplication and division for 10 times tables
- I can recall and use multiplication and division facts for 3 times tables
- I can recall and use multiplication and division facts for 6 times tables
- I can recognise odd and even numbers

Fractions
- I can recognise, find, name and write fractions (1/3, 1/4, 2/4, 3/4) of a length, shapes, sets of objects or quantity.
- I can write simple fractions for example, 1/2 of 6=3 and recognise the equivalence of 2/4 and 1/2

Measurements and Geometry
- I can measure and record capacity and volume choosing appropriate units (l/ml) height and length (cm/m) time, weight and mass (g/kg) using rulers, scales, thermometers and measuring vessels.
- I can compare and order lengths, and record the results using >, < and =
- I can compare and order mass and record the results using<,> and =.
- I can compare and order volume/capacity and record the results using>,< and =
- I can tell and write the time at quarter past and to the hour. I can draw the hands on a clock face to show these times
- I can tell and write the time to within five minutes. I can draw the hands on a clock face to show these times.
- I know the number of minutes in an hour and the number of hours in a day
- I can compare and sequence intervals of timer.
- I can recognise and use symbols for pounds and pence and combine amounts to make a particular value.
- I can find different combinations of coins that equal the same amounts of money.
- I can solve simple problems in a practical context involving the addition and subtraction of money including giving change
- I can identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line
- I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces
- I can identify 2-D shapes on the surface of 3-D shapes
- I can compare and sort common 2-D and 3-D shapes and everyday objects
- I can order and arrange combinations of mathematical objects in patterns and sequences
- I can use mathematical vocabulary to describe position, direction and movement, including movement in a straight line
- I can distinguish between rotation as a turn and in terms of right angles for

Statictics
- I can interpret and construct tally, picture, bar charts, block diagrams and simple tables.
- I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- I can solve problems and posing questions such as how many more?

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 25 questions in 20 minutes, and a second reasoning paper of broader mathematics which will last around 35 minutes.