

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

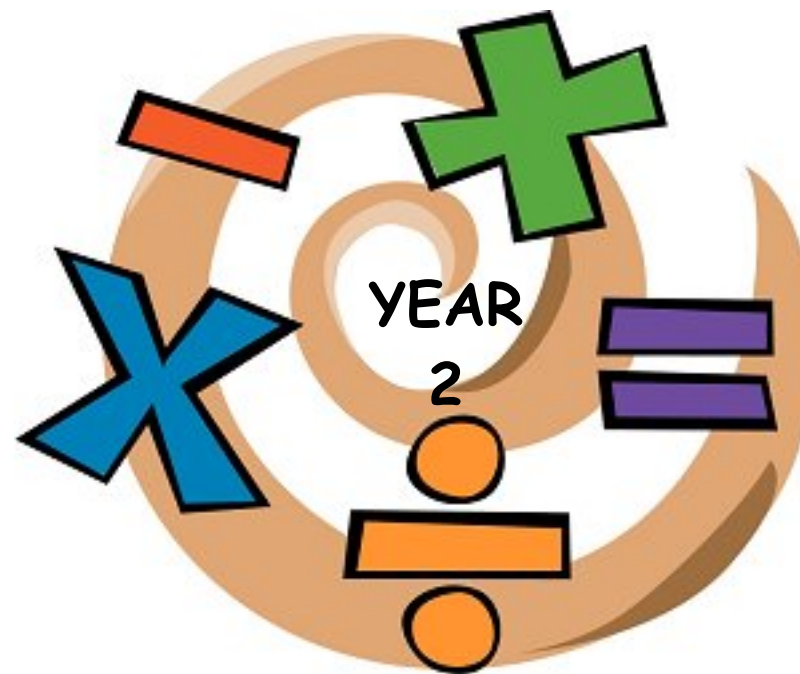
Practice sheets to complete on the school website-under School Info tab- See if you and your child can increase your mental arithmetic by competing against each other.

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



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:

- Count in multiples of 4, 8, 50 and find 100 more or less than a given number.
- Recognise the value of each digit in 3 digit numbers.
- Compare and order numbers to 1000.
- Read and write numbers up to 1000 in numbers and words.
- Solve a range of practical number problems.

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

- Add and subtract numbers mentally, including: a three digit number and ones e.g. $349+6$ and three digit numbers and tens and hundreds.
- Confidently use column addition to add and subtract.
- Estimate the answers to calculations.
- Know that adding is the inverse of subtraction.

Multiplication and division

- Recall multiplication and division facts for the 3, 4 and 8 times tables.
- Write and calculate mental calculations using multiplication and division.
- Solve simple missing number problems.

Fractions

- Count up and down in tenths and know that a whole is made of ten equal parts.
- Recognise simple fractions and know their value.
- Show, using diagrams, equivalent fractions.
- Recognise fractions as numbers e.g. $\frac{1}{2}$ is 50.
- Add and subtract fractions with the same denominator. E.g. $\frac{1}{4} + \frac{1}{4} =$
- Compare and order key fractions with the same denominators.
- Solve problems involving all of the above.

Measurements and Geometry

- Measure, compare, add and subtract lengths (m/cm/mm), mass (kg/g) and volume/capacity (l/ml)
- Measure the perimeter of simple 2D shapes.
- Add simple amounts of money to give change. Using both £ and p.
- Tell and write the time in an analogue clock including telling the time using roman numerals, and 12 and 24 hour clocks.
- Estimate time with accuracy to the nearest minute, hour, am, pm.
- Understand midnight and midday.
- Know the number of seconds in a minute and minutes in an hour.
- Know the number of days in each month and year and leap year.
- Draw 2D and some 3D shapes.
- Identify right angles and know they are 90 degrees.
- Identify horizontal and vertical lines.

Statistics

- Interpret bar charts, pictograms and tables.
- Solve one and two step problems posing questions such as how many more?
- Have a simple understanding of scales in charts.

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.