

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.

Number games

Roll two dice. Make two-digit numbers, e.g. if you roll a 6 and 4, this could be 64 or 46. If you haven't got two dice, roll one dice twice. Ask your child to do one or more of the activities below.

- ♦ Count on or back from each number in tens.
- ♦ Add 19 to each number in their head. (A quick way is to add 20 then take away 1.)
- ♦ Subtract 9 from each number. (A quick way is to take away 10 then add back one.)
- ♦ Double each number.

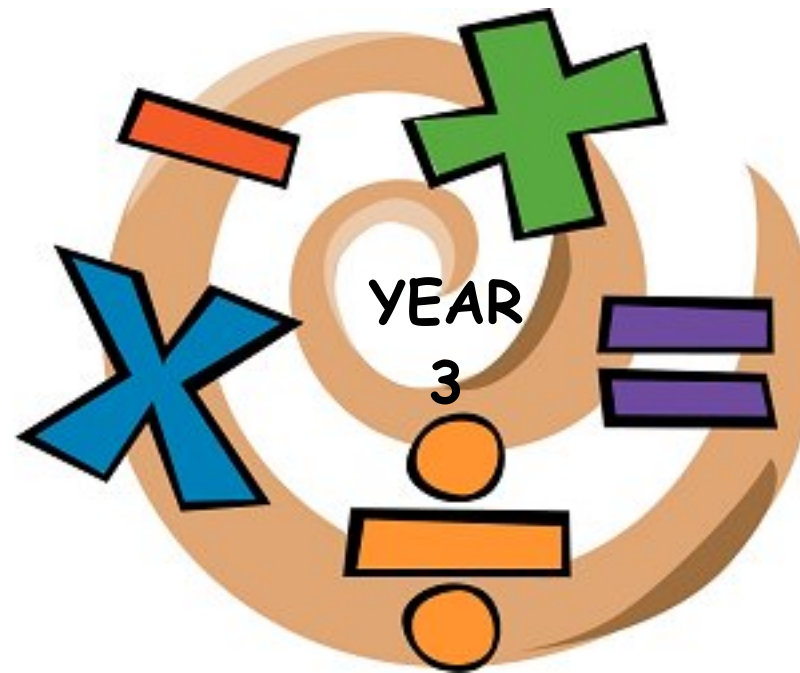
Bingo!

One person has the 4x table and the other has the 8x table. Write six numbers in that table on your piece of paper, e.g.

4 8 16 24 30 36

- ♦ Roll one or two dice. If you choose to roll two dice, add the numbers, e.g. roll two dice, get 3 and 4, add these to make 7.
- ♦ Multiply that number by 4 or by 8 (that is, by your table number, e.g. 7×4 or 7×8).
- ♦ If the answer is on your paper, cross it out.
- ♦ The first to cross out all six of their numbers wins.

Maths at Pensans in Year 3



A booklet for parents

This booklet provides information on the maths taught in Year 3 through mastery, including methods of calculation. It also includes End of Year expectations for children in Year 3, as well as ideas and activities to try at home.

National Curriculum Expectations at the end of Year 3

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

Number and Place Value, Calculations, Fractions, Measurements/Geometry and Statistics.

During Year 3 and Year 4, the focus of maths is on four operations (addition, subtraction, multiplication and division) so that children can carry out calculations mentally, and using written methods. In Year 3 your child is likely to be introduced to the standard written column methods of addition and subtraction.

Number and Place Value:

- Find 10,100 and 1,000 more or less than a given number.
- Recognise the place value of 3 digit numbers.
- Order and compare numbers up to 1000.
- I can identify, represent and estimate number using different representations.

Calculations

Addition and subtraction

- I can add and subtract numbers mentally including 3 digit numbers ie 1s to a 3 digit number and 10s to a 3 digit number and 100s
- I can add up to 3 digit numbers using written methods.
- I can subtract up to 3 digit numbers using written methods.
- I can use column method for addition and subtraction.
- I can estimate answers and use inverse operations confidently.
- I can solve a range of calculations, choosing the correct operation, in a variety of contexts.
- I can solve missing number problems involving addition and subtraction

Multiplication and division

I can recall multiplication facts for the 3 x table.

- I can recall multiplication facts for the 4 x table.
- I can recall multiplication facts for the 8 x table
- Use place value to multiply and divide mentally by 10.
- I can multiply 2 and 3 digit numbers using written methods.
- I can divide 2 and 3 digit numbers using written methods.
- I can solve problems, including missing numbers, involving multiplication and division

Fractions

- I can recognise and show equivalent fractions.
- I can recognise, find and write fractions of a discrete set of objects, unit fractions and non-unit fractions with small denominators.
- I can count up and down in tenths.
- I can add and subtract fractions with the same denominator.
- I can compare and order unit fractions with the same denominator.
- I can solve simple measures i.e. money problems involving up to two decimal places.
- I know how to find fractions of a number or shape such as $\frac{3}{5}$ $\frac{1}{4}$ or $\frac{4}{6}$

Measurements and Geometry.

- I can use vocabulary such as o'clock, am/pm, morning, afternoon, midday and midnight.
- I can tell and write the time from an analogue clock. I can use Roman numerals from I to XII and 12 and 24hr clocks.
- I can read time to the nearest minute.
- I can add and subtract different units of measurement, length, weight and capacity.
- I can measure the perimeter and calculate the area of squares and rectangles by counting and calculating.
- I can estimate, compare and calculate different measures including pounds and pence.
- I can add and subtract amounts of money to give change using £ and p in practical contexts.
- I can compare and classify 2D and 3D shapes.
- I know an angle is used to measure how far something turns.
- I can tell whether angles are greater or less than a right angle.
- I know about simple lines of symmetry and create own shapes to show this.
- I can describe positions on a grid in the first quadrant.
- Plot points to draw given shapes including polygons.

Statistics

- I can present data in a clear and concise way.
- I know how to construct bar charts and time graphs.
- I can solve problems by taking information from bar charts, pictograms, tables and other graphs.

About the targets

These targets show some of the things your child should be able to do by the end of Year 3.

A target may be more complex than it seems, e.g. a child who can count to 1000 may not know what each digit represents. In 784, for example, the '8' is worth 80 not just 8.