

Welcome to our Year R Maths Evening



Aims for this evening

- + To share an overview of the mathematical aspects of the EYFS Profile (2017).
- + To understand the importance of meaningful contexts and practical activities in developing mathematical understanding.
- + To prompt ideas for supporting your child at home.

What are the mathematical objectives for number?

- + Count reliably with numbers from 1 to 20, place them in order and say which number is one less or one more than a given number.
- + Using quantities and objects, add and subtract two single digit numbers and count on or back to find the answers.
- + Solve problems including doubling, halving and sharing.

What are the mathematical objectives for shape, space and measures?

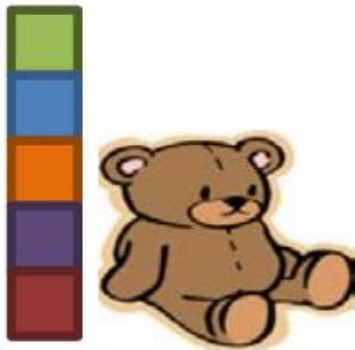
- + Use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems.
- + Recognize, create and describe patterns.
- + Explore characteristics of everyday objects and shapes and use mathematical language to describe them.

What are the aims of the KS1 curriculum for mathematics?

- + Pupils should become **fluent** in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- + Pupils should develop the ability to **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language.
- + Pupils should be able to **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

In Year R, fluency, reasoning and problem solving look like this...

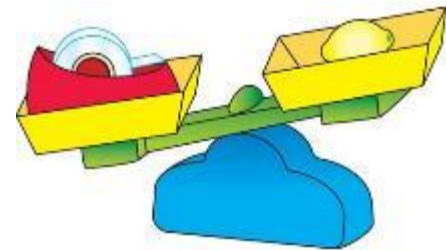
I've counted 12 packed lunch boxes but Jack has given me one more. How many do we have now?



The teddy is 4 cubes high.
True or false. How do you know?



Jack says there are 9 stars.
How can I find out if he's right?



Which object is heavier?
How can you make the pans balance?

To sum it all up (no pun intended)...

- + Count purposefully using objects and have numerals from 1 to 20 to hand for matching and ordering.
- + Quiz your child to enhance their number sense.
- + Remember that numbers almost always represent objects so make activities practical and meaningful.
- + Pose and solve problems together while dressing, tidying up, baking, dishing up food, reading stories, walking to school...
- + Look for shapes and patterns while you're out and about and encourage descriptions and explanations.