MATHS

Every day, we'll be providing Maths activities to keep all of your Maths skills alive. Remember to try and make time for Numb0ts and Mathletics.

Maths Topic Overview:

Problem solving!

Hello O'Keeffe and Stik,

This week, we are going to apply lots of our mathematical skills to solving some problems. Last week, we focused on recording our mathematical ideas – you will need to the same this week when solving these problems! We love solving mathematical problems, it really makes us think and test out our ideas.
Have a go at each problem and remember to show how you worked it out on paper. Remember, drawings can be used too.
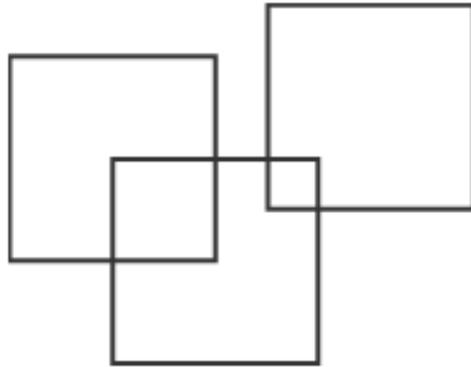We look forward to seeing how you get on!

Miss Vomero & Miss Tyler

Lesson 1 – Problem solving – an introduction

Problems are essentially things that we do not have the answer to straight away.

Adults - Let your child explore their ideas and encourage them to talk about how they know they are correct. Have they checked there are no other ways to solve the problem?

Problem 1 Overlapping squares

What is the greatest number of squares you can make by overlapping three squares of the same size?

You can either cut out 3 square outlines that are the same size or here is a link to an interactive version of this for you to try out.

Lesson 2 – Dice dots

Here are two dice. If you add up the dots on the top you'll get 7.
Find two dice to roll yourself. Add the numbers that are on the top.
What other totals do you get if you roll the dice again?

What is the highest total you could make using 2 dice?
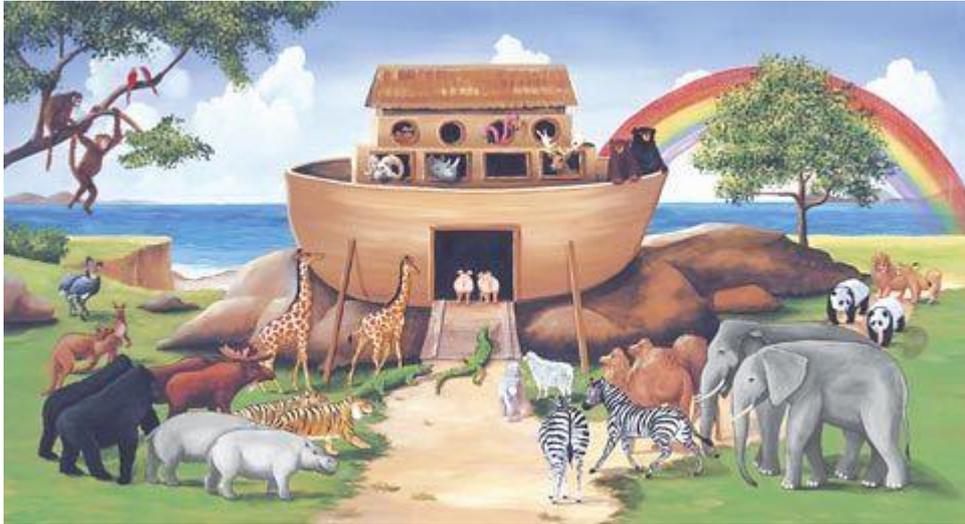
What is the lowest total you could make?

How many different addition calculations could you do using 2 dice?

How will you know you've found all the possible totals?

Adults – help your child to record their results in a table and check they have all the combinations.

Lesson 3 – Noah

[Click here](#) to sing along with Noah's Ark song.

Noah saw 12 legs walk by into the ark.
How many creatures could he have seen?

How many different answers can you find thinking about different types of animals and their legs?
Can you explain how you found out these answers?

Lesson 4 Mathletics

Complete your assigned task on Mathletics.