Reception Maths Home Learning | Summer Term

W.C. 15TH June

Maths

After watching the videos have a go at some of the suggested activties.

We appreciate and are fully aware that families can only do their best with the technology and resources they have available.

(Please note these links are dated week 8th June. We have selected activties and work that is best suited to our Reception children)

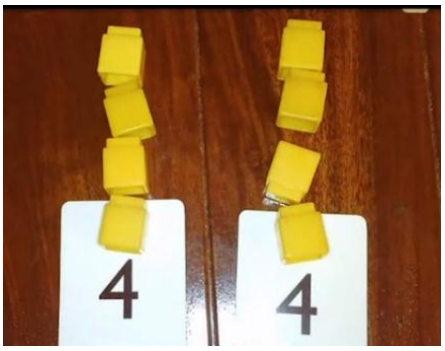
Monday – Understanding the concept of a double.

For today's learning you will need:

- Bowl containing 20 objects – you could use Lego blocks, cereal, pasta, sweets etc.
- 2 sets of number cards -10.
- Paper.
- Pencil crayons.

Please follow link: https://classroom.thenational.academy/lessons/understanding-the-concept-of-double/activities/1

Activity 1 – Watch video about doubling – ask your child what doubling means (the children are taught on the video that doubling is two separate groups containing the same amount of objects in each group). Both adult and child to have a set of numbers from 1-10. Give your child a number e.g 4 and ask your child to place 4 objects above the number card. Ask your child to find their matching number (4) from their number cards and place 4 objects above the number. (see picture below). Ask your child to count how many there is altogether. Tell your child that "double 4 is 8". Ask your child to repeat this out loud. Repeat with other number cards to find doubles all the way up to 10.



Activity 2 –

Watch Numberblocks episode "Double Trouble"
https://www.bbc.co.uk/iplayer/episode/b08q4jkq/numberblocks-series-2-double-trouble

Ask children to look at the picture below – what do they notice about the picture (encourage your child to say double 1 is 2, double 2 is 4, double 4 is 8). Ask your child to draw one of the number block characters and double it (draw it again) What is the double?

Tuesday – Recap on doubling

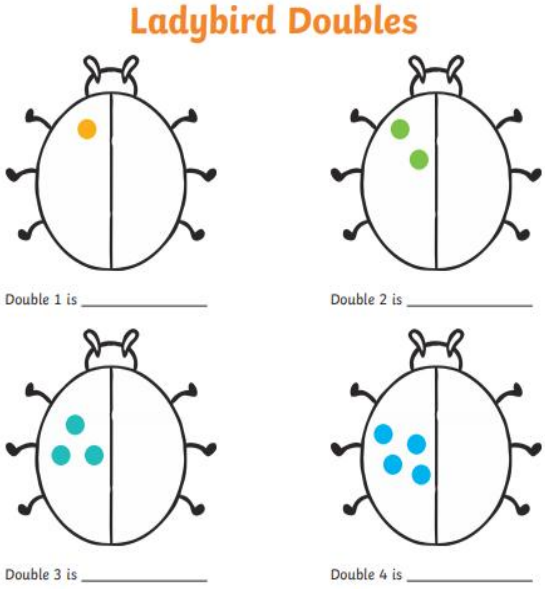
For today's learning you will need:

- Bowl containing 20 objects.
- 2 plates.
- Ladybird sheet (pre-drawn) – see below.

Activity 1 –

Listen to the song https://www.youtube.com/watch?v=NDqbCfplYrg Talk about how we have been learning about doubles. Hide 3 objects in one hand and 3 objects in your other hand. Tell your child to watch as you open one hand and place the objects on one of the plates. Ask your child to tell you how many – 3. Tell your child you are going to double it. Open your other hand and place the 3 objects on the other plate. Ask your child how many altogether. Tell your child "double 3 is 6". Repeat with different numbers.

Tell your child you are now going to have a go at drawing doubles on a ladybird's body. Tell your child the spots have to be the same on both sides. Create a sheet (see opposite) where the adult has drawn the first set of spots on each ladybird. Ask your child to double it by drawing the same amount of spots on the other side.



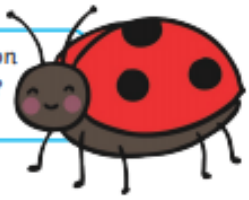
Activity 2 –

Ask your child to complete the challenges on the sheet below. Use real objects/counters etc to solve the problems. Record your findings by taking photographs or creating jottings.

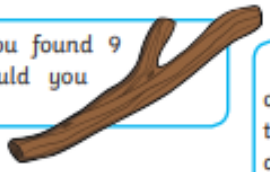
Solving Problems - Doubling

Home Learning Challenges

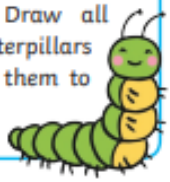
If a ladybird has 4 spots on one side and 4 spots on the other side, how many does she have in total? Double 4.



Collect 9 sticks. If you found 9 more, how many would you have altogether?



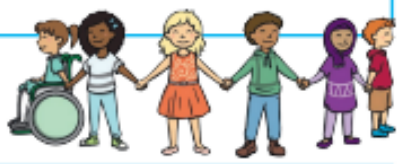
Draw 7 caterpillars on a large leaf. Double the amount. How many caterpillars are there in total? Draw all the caterpillars and count them to check.



Collect 3 leaves outside. Collect 3 more. How many do you have altogether?

Jordan made 6 cupcakes for her class, but she needs to make more. There are double that number of children in her class. How many cupcakes does she need in total? Can you make that many cupcakes?

Some preschool children visit your class for an afternoon. There are usually 10 children in your class but today there are double that amount. How many children are there altogether?



You may wish to create your own challenges using your child's toys or objects from your home, e.g. there are six Lego pieces, can you double them?

There are five sweets on the plate, can you double them?

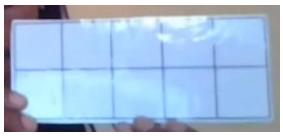
How many are there altogether?

Wednesday – Understanding the concept of half

Please follow link: ***https://classroom.thenational.academy/lessons/understanding-the-concept-of-half-f622a4/activities/1/***

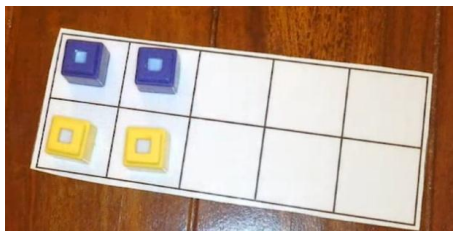
You will need:

- A tens frame (draw out on paper)
- Ten objects
- Number cards to 5.



Activity 1:

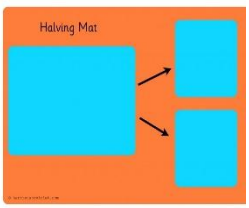
Using your tens frame explore doubling and halving different numbers with your child. Firstly ask your child to place a given number (1, 2,3,4,5 objects) into the tens frame (top line). Then ask your child to double the number by placng the same number on the bottom. After ask your child questions to check their understanding e.g. how can we work out double __? What is double _? Explain that a tens frame helps us to identify numbers in two equal groups. Explain that half of our cubes are on the top and half of our cubes are on the bottom. Ask your child to count the cubes in the top half of the tens frame to find the answer. Question your child to check their understanding – Q what is half of two? How did you know? What two equal halves can your see?



Activity 2:

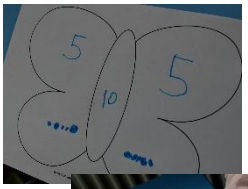
Explore doubling and halving using different resources.

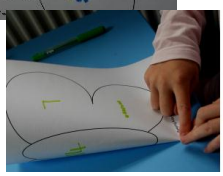
You and your child to build a tower of a given number (use different colours). Then join them together to show a numbers double. Then split them apart to find half of a number.



Create a halving mat. Place an equal amount of objects in the whole. Ask your child to count how many in the whole and write amount.

Model moving one counter at a time to each group to split the total in half. Talk about what you can see.





Ask your child to pick a number and write on the top of the first wing and make spots underneath. Explain that the wings have to be the same so you need to double the number and do the same on the other side. Then ask what does double _ make? Write total on butterfly's body. Then ask what would happen if we halved the butterfly or split it into two equal parts? Fold the butterfly to reveal two halves and discuss. Repeat with other numbers.

Thursday:

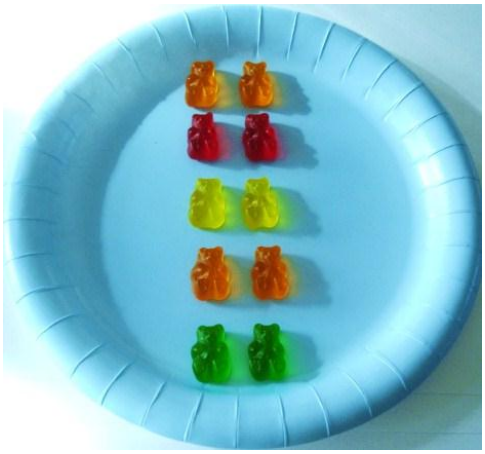
Activity 1:

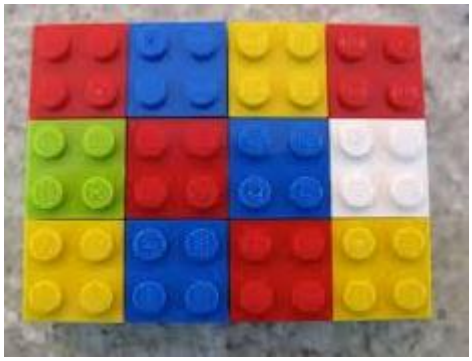
Warm up: Explore 'The doubling song' on website: https://www.outoftheark.co.uk/ootam-at-home/ and join in with song and actions.

Tell a story of someone having trouble looking after two dogs who will not do what they are told. Then they get given two more dogs to look after - now they have four and they have 'double trouble'! What about if they have three dogs - how many would be double trouble? Ask your child to double numbers up to five on their fingers, they may wish to draw three dots and then another three to work out the answer.

Activity 2

Explore double patterns and arrays below and ask your child to discuss what they can see. Look around can you see any double patterns in your home. Your child could then use any small objects such as coins, pasta, sweets, Lego etc to create their own 'doubles' patterns.





Friday: Revision of Topics

Activity 1:

Adding on a number Line - Practise solving addition number problems to ten using interactive number line on link:http://www.eduplace.com/cgi bin/schtemplate.cgi?template=/kids/mw/manip/mn_popup.thtml&filename=nmbl_prim&title=Number%20Line&grade=1

Give your child a number problem e.g. 4+2=. Ask your child to click on the starting number and then click the forward arrow the correct number of times to solve the problem.

Counting in Tens - Using link support your child with counting and practising counting in tens and clicking the correct duck in the row. **http://mrcrammond.com/games/newduckshoot10s.swf**

Activity 2:

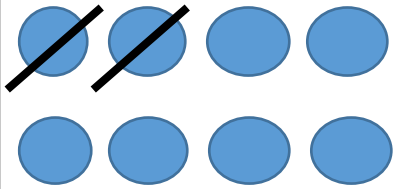
Counting backwards to solve subtraction problems – Play game and solve the different subtraction problems. https://www.topmarks.co.uk/subtraction/subtraction-to-10

Create a set of cards with pre-written subtraction problems – ask your child to read the problem and solve using their own resources e.g. Lego, pasta, sweets etc. Ask your child to record their answers by using jottings/ pictures.

Problem:

8 -2 =

Example jotting:



Counting in 2's – Listen to the counting in 2's song - https://www.youtube.com/watch?v=GvTcpfSnOMQ Ask your child to have a go at counting out loud in 2's. Play game "Connect the dots". Ask your child to select each number by counting in 2's to reveal a picture.