



W.C. 29th June

Maths

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

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 22nd June. We have selected activities and work that is best suited to our Reception children)

Monday – Investigating quantities using more and fewer.

For today's learning you will need:

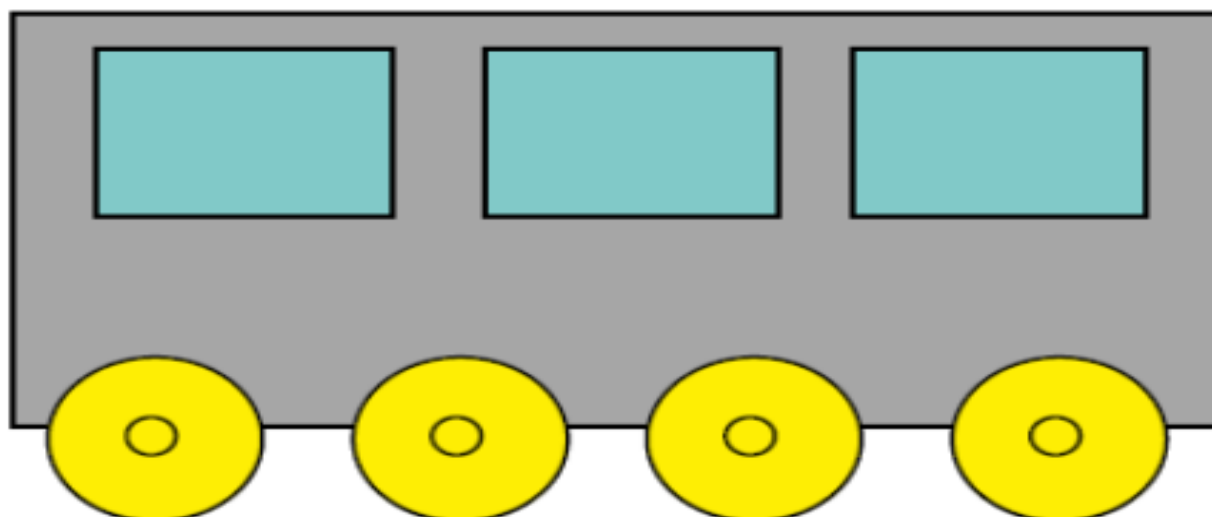
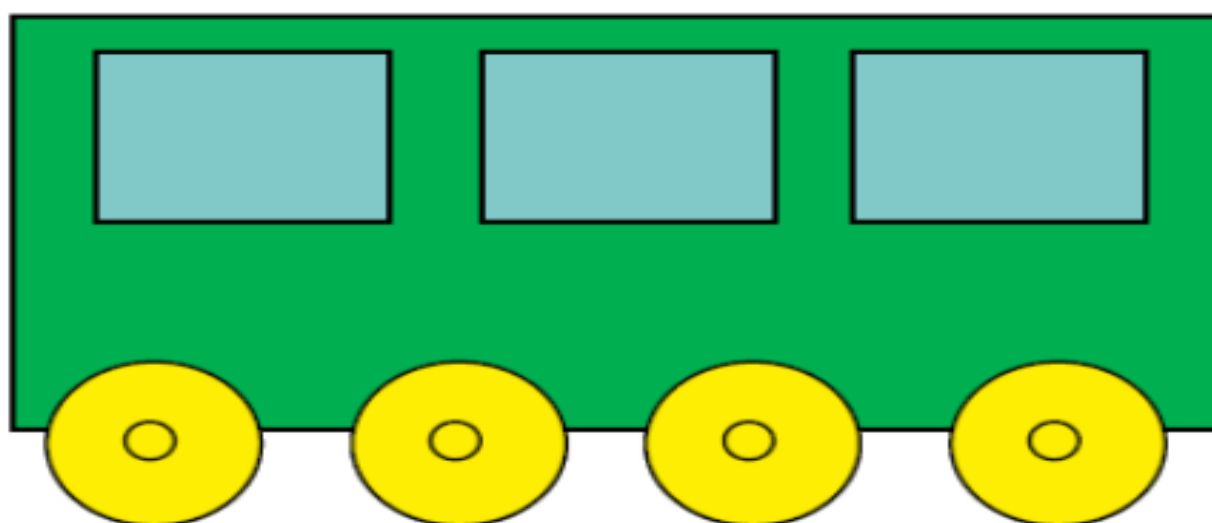
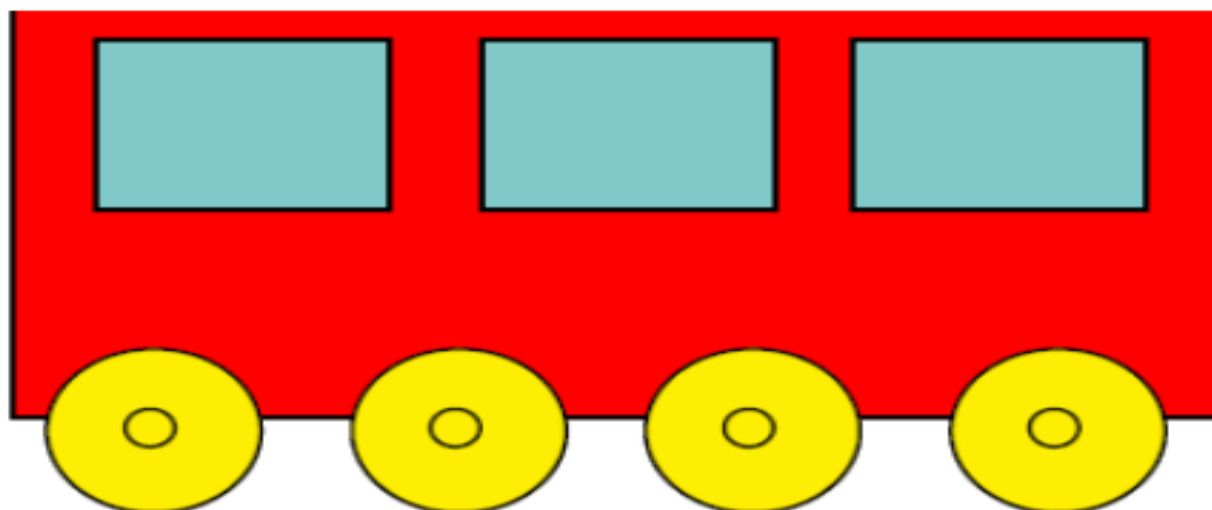
- 15 small objects for counting.
- Three containers or train carriage sheet (see below).
- Three teddy bears.
- Plates and 25 objects/biscuits/sweets.

Please follow link: <https://classroom.thenational.academy/lessons/investigating-quantities-using-more-or-fewer/activities/1>

Activity 1 – look at the picture below – recap on the maths that you can see. Ask the following questions to support your child. How many carriages are there altogether? How many carriages are in each row? How many many carriages are in each coloumn? How many wheels are on each carriage? How many wheels are on each row? Which carriage has the fewest amount of passengers? Which carriage has the greatest amount of passengers?



Using the carriages provided below complete the following activity. (You may wish to print out the carriages for your child or use three separate containers marked with the colours red/ green and grey). Add your small objects/counters on to the carriages to support your counting.



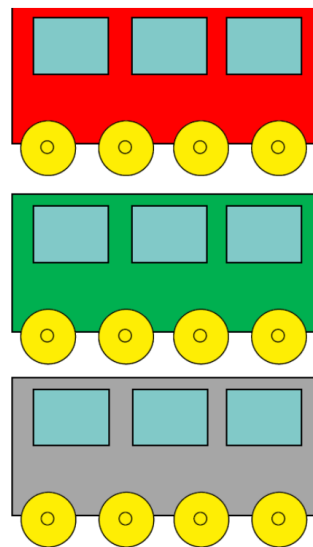
Solve the following problems:

Can you work out how many passengers are in each carriage?

There are 3 passengers in the red carriage.

There is 1 fewer passenger in the green carriage than in the red carriage.

There is 1 more passenger in the grey carriage than in the green carriage.

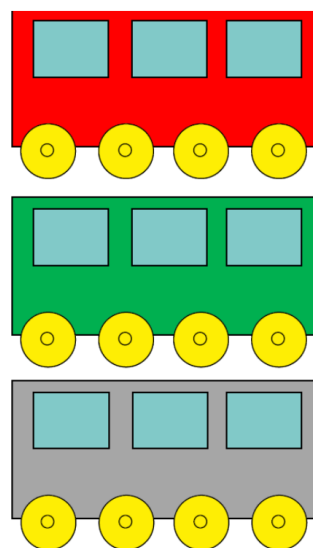


Can you work out how many passengers are in each carriage?

There are 5 passengers in the red carriage.

There are 2 fewer passengers in the green carriage than in the red carriage.

There is 1 more passenger in the grey carriage than in the green carriage.



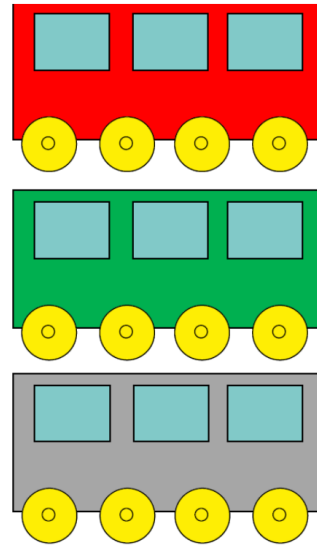
Extra challenge:

Can you work out how many passengers are in each carriage?

There are 7 passengers in the red carriage.

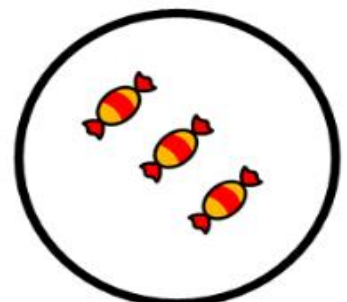
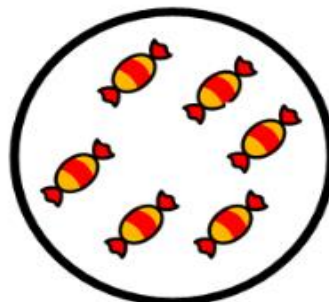
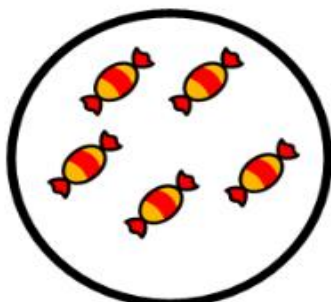
There are 5 fewer passengers in the green carriage than in the red carriage.

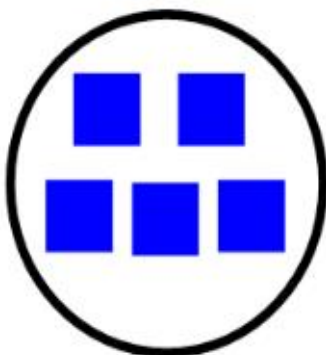
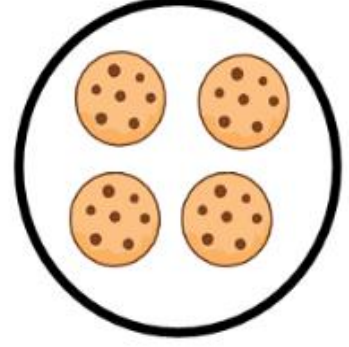
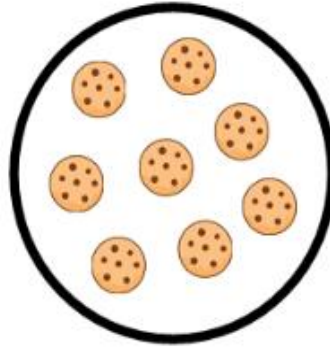
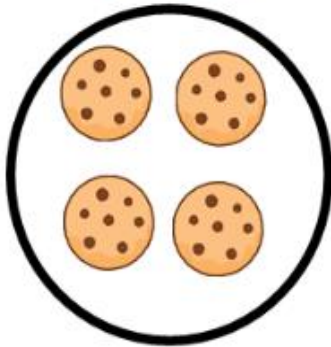
There are 2 more passengers in the grey carriage than in the green



Activity 2 -

Organise a teddy bears picnic for your child. Choose 3 teddies and put three plates in front of the bears. Set the plates up with different amounts of biscuits/ sweets/ objects (see pictures below for guidance). Ask your child the following questions: Who has the most? Who has the fewest? Do any of them have the same amount?





Tuesday - Exploring the concept of doubles.

For today's learning you will need:

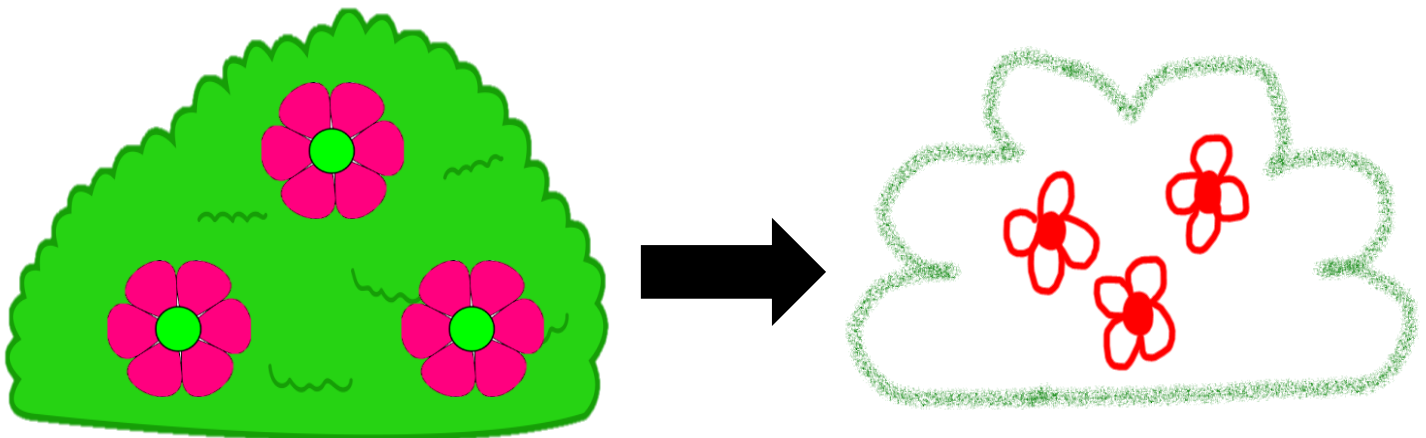
- A piece of paper
- 20 objects for counting/doubling
- Pencils or paint for drawing.

Please follow link: <https://classroom.thenational.academy/lessons/exploring-the-concept-of-doubles/activities/1>

Activity 1 -

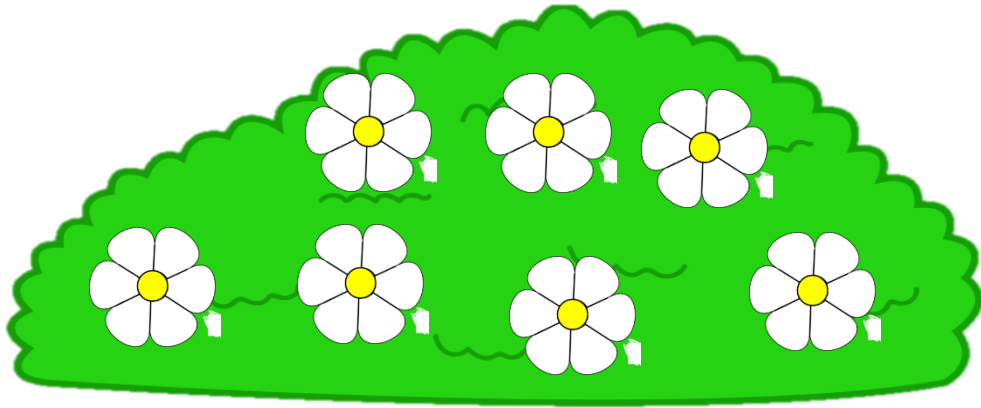
Look at the pictures below, ask your child to look at picture 1 and draw or paint the picture on to a piece of paper. (You may wish to print the pictures). When your child has the picture in front of them ask them to count the amount shown. Then ask your child to double the amount - they should do this by drawing/ painting/ adding objects of the same value. Encourage your child to say double _____ is _____. You may wish to write this down and ask your child to fill in the blanks to represent what they have found out. Complete pictures 1-4.

See example:

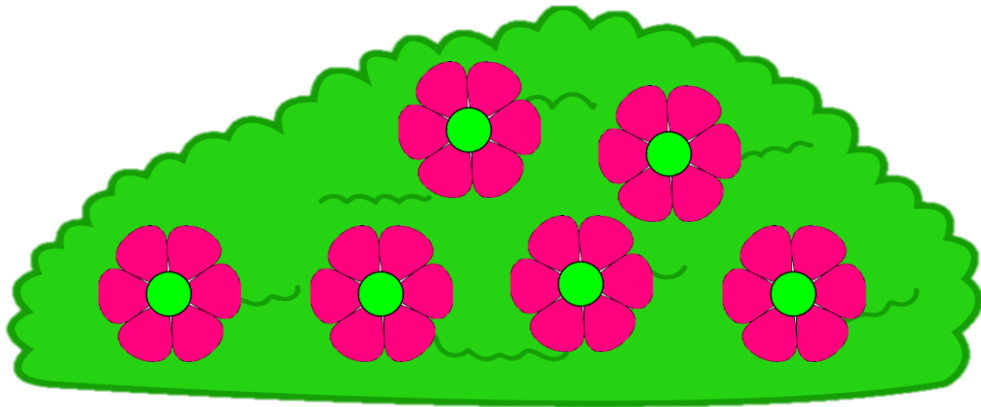


Double 3 is 6

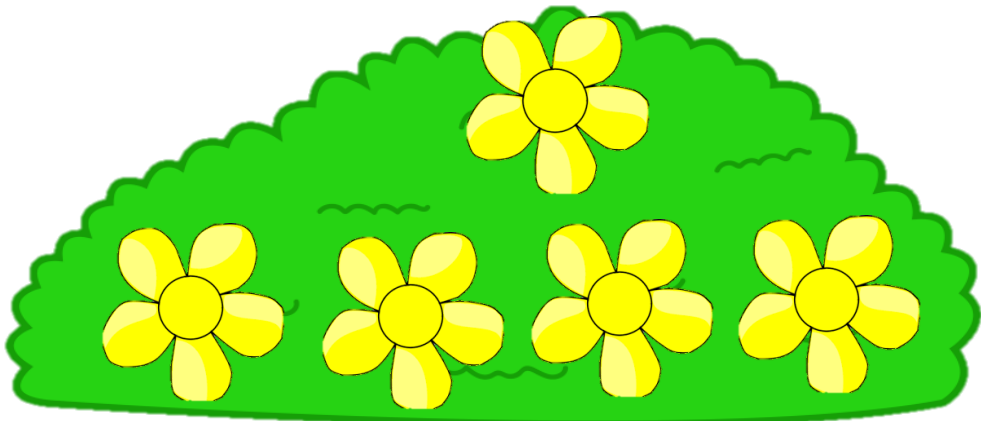
1



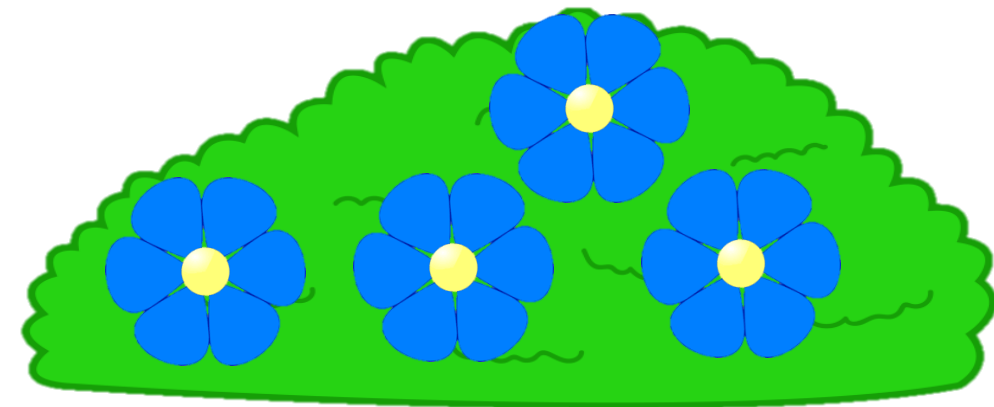
2



3



4



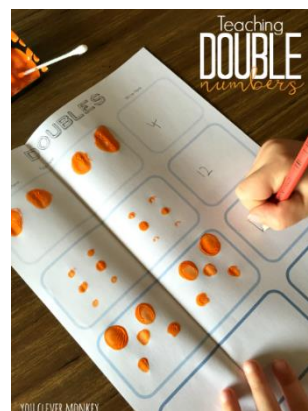
Activity 2 -

Create a grid like the one pictured below - ask your child to look at the number and finger paint the corresponding amount of spots. Show your child that we can double by folding the paper in half to show the same amount on the other side. (If you do not have paint at home you can draw the spots to show the numbers - you will then have to draw the same on the other side)

Grid to use:

3	
5	
6	
4	
7	

Example using paint:

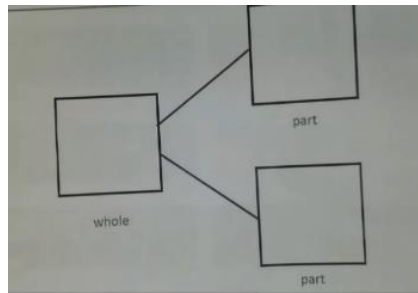


Wednesday – Finding Half of Numbers to 20

Please follow link: <https://classroom.thenationalacademy/lessons/finding-half-of-numbers-to-20/activities/1>

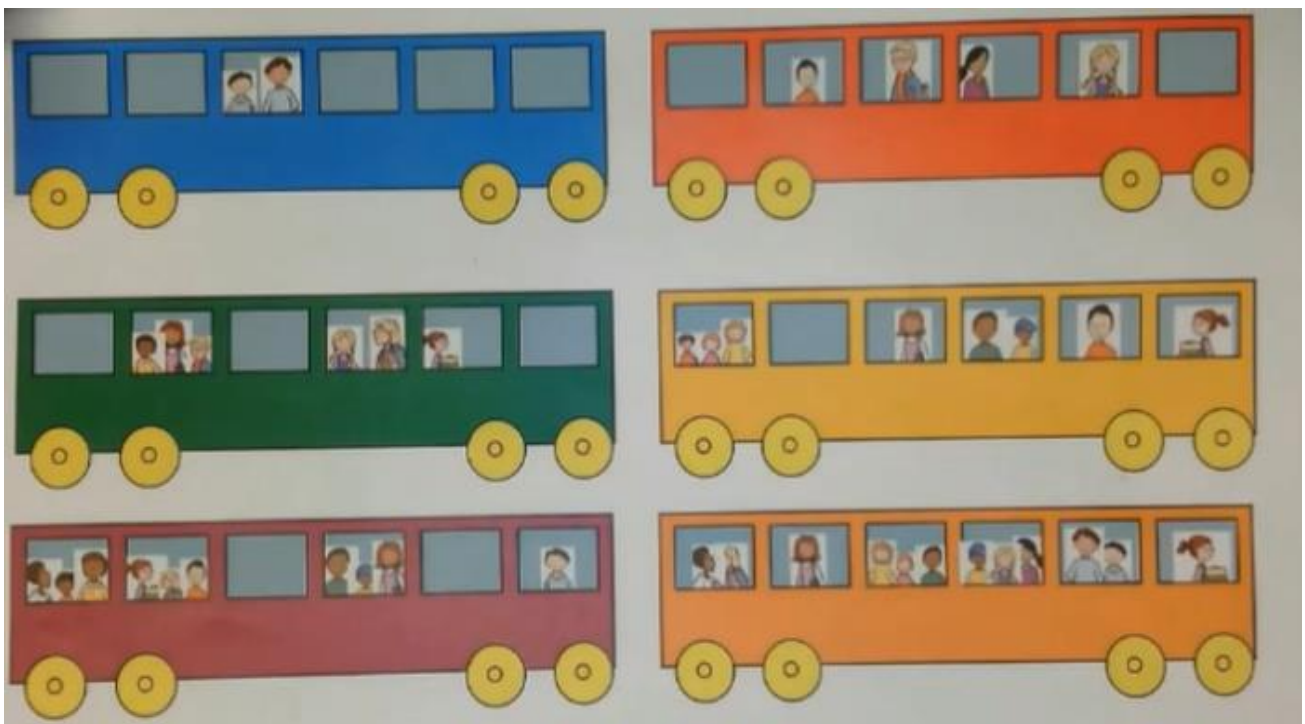
For today's learning you will need:

- Sheet showing Part Whole model
- 20 objects
- Pen or pencil to record answers



Activity 1

Count how many passengers are in a coloured carriage . Ask your child to work out how many there would be if only half were left in the train carriage? Half of the passengers got off the train carriage and half of the passengers were left on the train carriage. See if your child can work out the answers for the different carriages using their Part, Whole model and objects. Gather your objects to represent passengers and then ask your child to sort them into two parts using the Part Whole model to find half of a number. Ask your child to talk about what they can see and what their Part Whole represents e.g. 'half of eight is four' 'Eight shared into two equal parts equals four.' "Double 4 is equal to eight."



Activity 2

Remind your child that half means 'one of two equal parts.' Look at the objects below and ask your child to find half and complete the stem sentences. Your child may be able to visualise half or they can use small objects to represent the amount and then split them into two equal groups. Gather an equal amount of objects e.g. sweets, biscuits, grapes etc and ask your children to find half and write their own stem sentence. Ask questions How can we find half of an amount? How many groups do we need to share our ____ between? How can you check you have found half?



There are ____ beads.

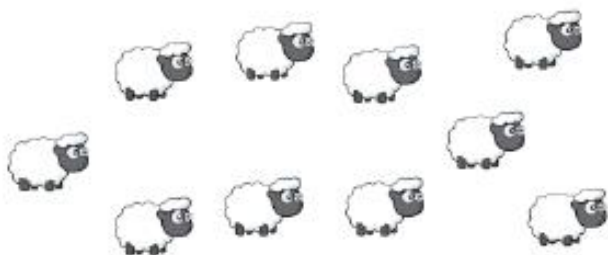
Half of ____ is ____



There are ____ marbles.

Half of ____ is ____

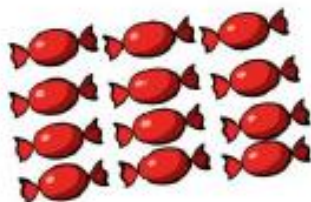
Find half of the sheep.



There are ____ sheep.

Half of ____ is ____

What is half of these amounts?



Thursday - Estimating and counting

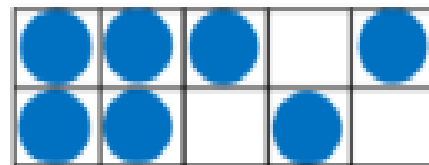
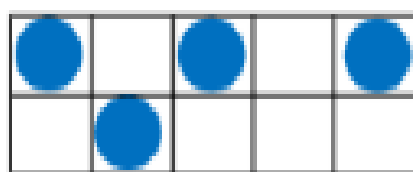
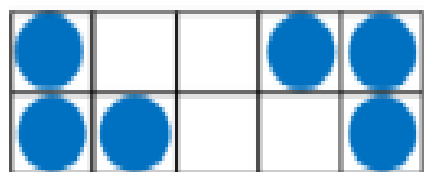
Please follow link: <https://classroom.thenational.academy/lessons/estimating-and-counting>

You will need:

- Piece of paper
- Pen or pencil
- Number cards 1-20 (write out on squares of paper)
- Two blank tens frames

Activity 1

Create two blank tens frames. Gather small objects to fit in the squares of the tens frame e.g. cheerio's, sweets, pasta etc. Parent to display objects in a tens frame and child to take a quick look and then estimate how many. Encourage your child to explain their thinking and why they have estimated this number. You could use these tens frames below and flash them and then cover them over with your hand on the screen or print them out.



Activity 2

Complete Pick 'n' Mix worksheet,
Ask your child to look at the jar, cover
and ask your child to make a good guess
of how many they think are inside.

Pick 'n' Mix

I can estimate the number of objects in a group then count to check.



Estimate _____

Check _____



Estimate _____

Check _____



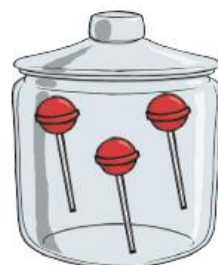
Estimate _____

Check _____



Estimate _____

Check _____



Estimate _____

Check _____



Estimate _____

Check _____

If you have access to a printer you
may wish to print this worksheet (pg1)

Which has more? Estimate then check.



A



B

Estimate _____

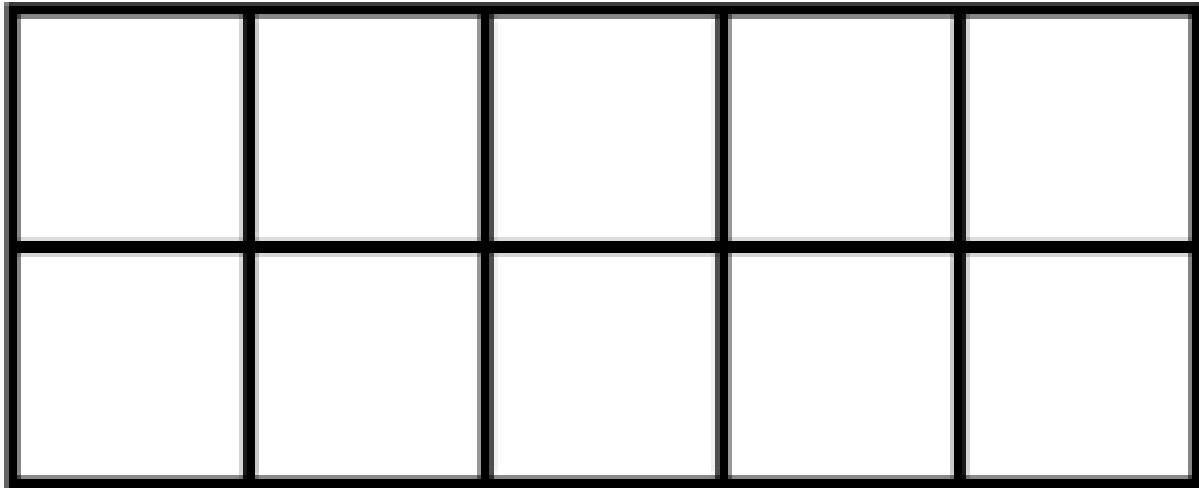
Check _____

Friday - Reviewing addition and subtraction

For today's learning you will need:

- Ten or twenty objects for counting
- Tens frame x2

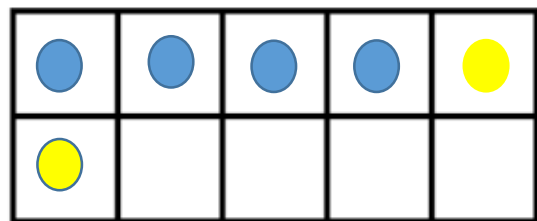
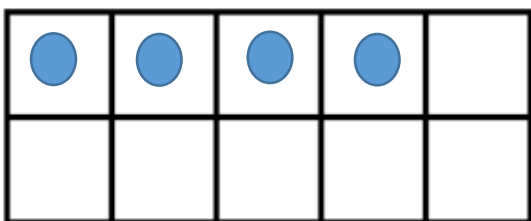
You may wish to use this tens frame or create your own - you may create a large scale tens frame using chalk or tape on the floor.



Please follow link: <https://classroom.thenational.academy/lessons/reviewing-addition-and-subtraction/activities/1>

Activity 1 -

Addition - Using your tens frame - place an amount of objects on to the frame. Ask your child to count how many there are. Next ask your child to watch as you add some more (you may have a large frame and add toys to the frame, you may have a small frame and use pasta- any model would be great for the task). Ask your child how many there are altogether. Ask your child to record this as a number sentence - see example below:

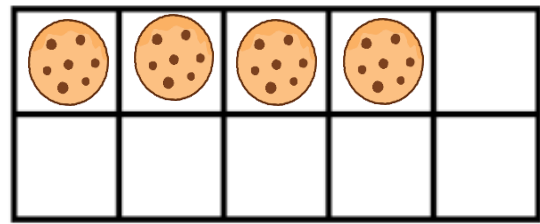
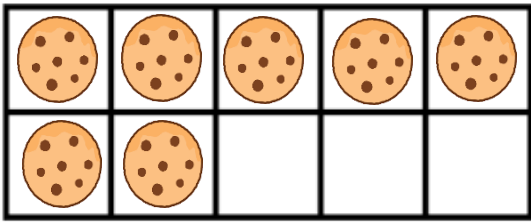


4 blue counters on the frame - grown up adds 2 yellow counters - how many are there altogether?

Child writes number sentence $4 + 2 = 6$. Repeat this process with another addition sentence

Subtraction - as above- use your tens frame and place some objects on the frame. Ask your child to count how many there are. Next ask your child to watch as you take some away. Ask

your child how many are left. Ask your child to record this as a number sentence - see example below:



7 cookies on the tens frame - adult removes 3 - how many are left?

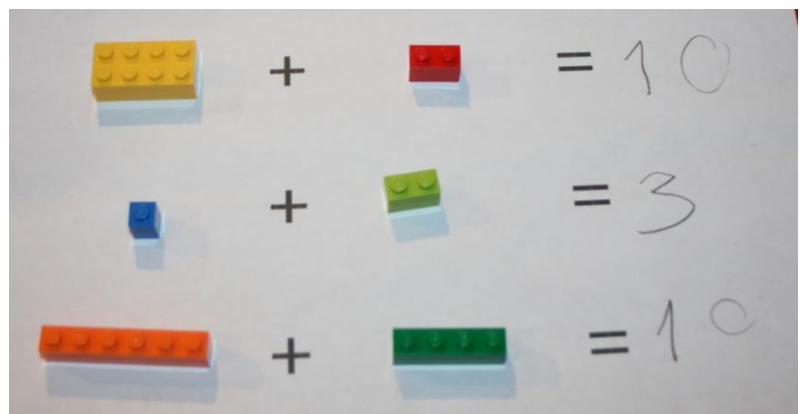
Child writes number sentence $7 - 3 = 4$. Repeat this process with another subtraction sentence.

Activity 2:

Here are some ideas of fun activities to support your child with recapping on this weeks maths themes:



Gather a set of objects and place them in front of a mirror to find a numbers double.



Use Lego to explore addition and subtraction

