

Marvellous Maths Year R w/c 22nd February

Learning objectives:

To find the total number of items in two groups by counting all of them.
In practical activities and discussion, beginning to use the vocabulary involved in adding and subtracting.

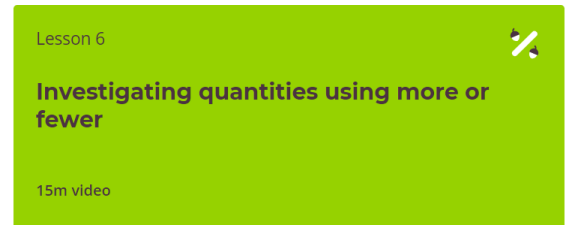
Using quantities and objects, they add and subtract two single-digit numbers and count on or count back to find the answer.



Monday

Click on the link below and watch the video about investigating quantities using more or fewer. You will need 15 objects, 3 containers and the Monday maths how many passengers sheet.

<https://classroom.thenational.academy/units/addition-and-subtraction-within-20-14da>



Follow on tasks

Please ask your child to complete the more or less colouring activity on the website.

If your child would like more practise with more and less please click on the link below:

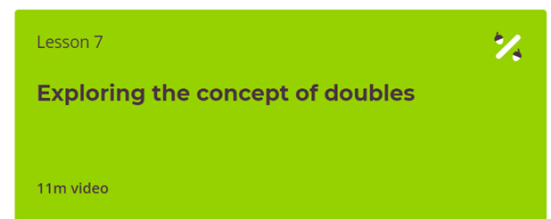
<https://pbskids.org/curiousgeorge/busyday/bugs/>



Tuesday

Today we are looking at doubles again, this time to 20. Click on the link below and watch the lesson.

<https://classroom.thenational.academy/units/addition-and-subtraction-within-20-14da>



Follow on task

Ask your child to complete the ladybird doubles from the website. If you'd prefer, you could give your child a group of objects for them to double. They could then record what they had done using numbers and symbols e.g. $6+6=12$. I have also included the part, part, whole model image should you wish to use this alongside the objects they are using.

There is also a game below which we suggested before, which is more challenging:

<https://www.topmarks.co.uk/maths-games/hit-the-button>



Wednesday

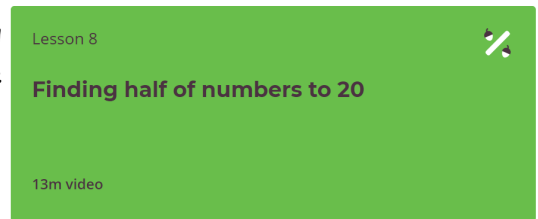
Click on the link below and watch the Lesson 8 video about finding half of numbers to 20. You will need 20 small objects, and the whole-part model sheet.

<https://classroom.thenational.academy/units/addition-and-subtraction-within-20-14da>

In the video, the questions and examples only deal with numbers within ten, but for your follow-on task, as your child becomes more confident, I would like you to expand to practise with numbers up to 20 using your small objects and whole-part model so that the activity is very hands-on.

Follow on tasks

Please ask your child to complete the **Wed - Pirate Treasure Find Half** activity sheet on the website, using your objects and the whole part model. For those who are more confident, there is a **Halving Matching game**— 'I have ..., Half is ...'. You could also use the Bus game from Wednesday Week 6 for more practise.



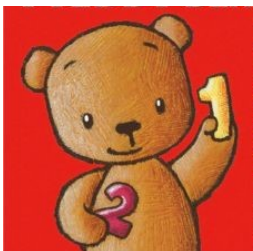
Thursday

Click on the link below and watch the Lesson 9 video about estimating and counting. You will need paper and pencil, and number cards to 20.

<https://classroom.thenational.academy/units/addition-and-subtraction-within-20-14da>

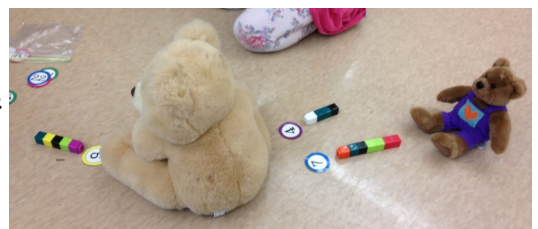
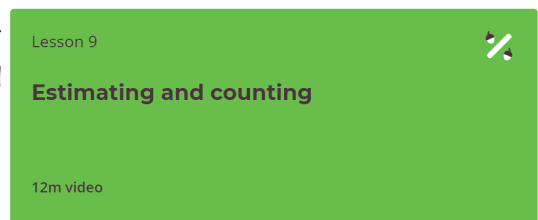
For your **follow-on task**, use small objects such as Cheerios or sultanas to put in small bowls for estimation practise. Remember that estimation is not about counting as quickly as possible, but rather about making an informed guess, so don't initially give them enough time to count — counting comes *after* the estimation, to check how close their guess was..

Ask your child to lay out their 1-20 number cards into a number line. Give them a small number of Cheerios (maybe 8) to 'guess' how many. Ask them to count out to check how many were really there and how close their estimation was, then ask them to put the bowl in the correct place on the number line. For the next bowl, give your child a larger amount—maybe 17. Show the bowl, but again, only for enough time to estimate —



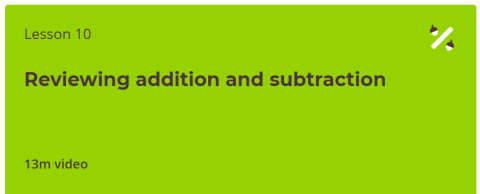
ask them whether there are more or fewer than in the previous bowl—where do they think it would come on the number line? How many do they think there are? What is their estimate? Again, after the estimation, ask your child to count and check, and place the bowl on the number line. For the third bowl, choose an amount somewhere in the middle (maybe 12 ish). Follow the same procedure of estimation, using the other two bowls to compare to inform the estimation, but without counting until after the guess, and putting on the number line. Continue the game- perhaps asking your child to give you (or their favourite Teddy) a handful to estimate/count etc—can they correct you/him if you 'guess wrong'?

For some other estimating practise ideas at home, see **Thurs Estimating Challenges PDF**



Friday

Click on the link below and watch the Lesson 10 video which reviews addition and subtraction skills we have already covered. You will need two tens frames, and 20 small objects for counting (the lesson only covers questions within 10, but many of you are now ready to start working above ten in your follow-up task).

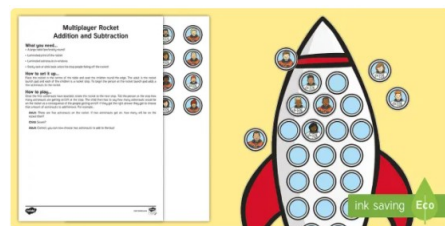


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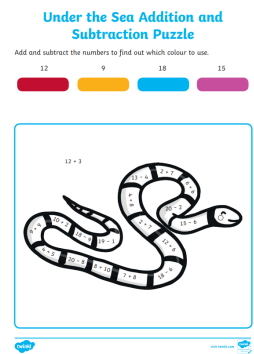
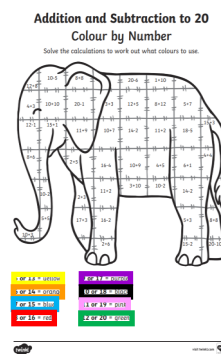
This lesson is a review, covering skills we have already learnt, so for the follow-up task, I would like the children to work with numbers higher than they were working with before, to give themselves a challenge (ie if your child was working with ten before, please try to 15 or 20 now). You could use one of the games below (on the website) to generate addition and subtraction number sentences, with your child using their objects and the tens frames to help them to visualise the process.

For a 'boardgame'-type game, see the **Fri - Rocket addition and subtraction game** on the website—quite like practising with the 'bus' game in the film, but your child will enjoy taking it in turns with you (especially if you accidentally occasionally get questions wrong—can they spot/explain/correct your mistake?). I've also just found another bigger and better version of the same game, with a VERY long rocket and some cheeky aliens which I've saved as **Fri - Aliens and long rocket version add&sub game**

For a colouring activity use **Fri - Elmer or Snake add&sub colour by number**. The snake is the easier option, for those just beginning to work within 20, the Elmer one is for those who are more confident and want more of a challenge.



[Multiplayer Rocket Addition and Subtraction to 20](#)



[Multiplayer Rocket Addition and Subtraction Game](#)

