# Maths

This week in maths, we are going to be focusing on **addition and subtraction**.

In Year 2, children need to be able to:
- solve problems with addition and subtraction
- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers (e.g. 34 + 21 and 87 – 35)

This website has some useful videos for adults on mathematical strategies and vocabulary which may be helpful when supporting your child this week:
https://www.oxfordowl.co.uk/for-home/oxford-owl-videos/maths-videos-counting-addition-subtraction/

Here are some BBC videos for your child to enjoy about adding and subtracting:
https://www.bbc.co.uk/bitesize/topics/zwv39j6

## Activity 1
Spinners
Use Topmarks spinners at https://www.topmarks.co.uk/Flash.aspx?f=Spinners
Select *2 spinners* and then *set values for spinner 1, TU>50.*
Spin both spinners then add the two numbers together. Discuss strategies used to add quickly.
Maybe you will count on from the biggest number? Or would using your number facts be quicker?
e.g. if you know 3+2=5, you should also know that 33+2=35
Maybe you could challenge yourself by changing the values on the spinners or even using 3 spinners! You can also use the spinners to subtract…

## Activity 2
Adding using arrow cards
Open the 'adding calculations' document which is attached with some addition number sentences for your child to try.
Try to encourage your child to use the 'partitioning' strategy:

  32 + 24

= 30 + 20 + 2 + 4

= 50 + 6

= 56

Discuss how you can also count up in 10s and 1s (so start on 32, and add 20 then 4). You can draw a number line to support with this. See picture below. Point out that you get the same answer whichever method you use, so you can choose the one you prefer.

You can use Arrow Cards to help model and visualise 'partitioning' by looking at the tens and ones in a number and adding these together.
Here is a link: https://mathsframe.co.uk/en/resources/resource/61/itp-place-value

**Activity 3**
Investigations and word problems
Now it's time to apply your skills and do some problem solving!
There are some 'bee subtraction word problems' attached for you to try.

Or you can try an investigation…

The NRich website has some brilliant investigations for children to unpick.

Here are some great ones we've found for addition and subtraction:

- How do you see it? https://nrich.maths.org/8296/note
- Ladybirds in the garden https://nrich.maths.org/1816
- Dicey addition https://nrich.maths.org/11863/note

Feel free to explore the website further if you want an extra challenge!

Don't forget to explain to your adults **HOW you worked out your answers**, just like we do in class.

Please send us some photos of how you're getting on at home and if you need support adapting these activities to meet your child's needs, please contact your child's teacher.