Numeracy lesson.

Wednesday 1st April

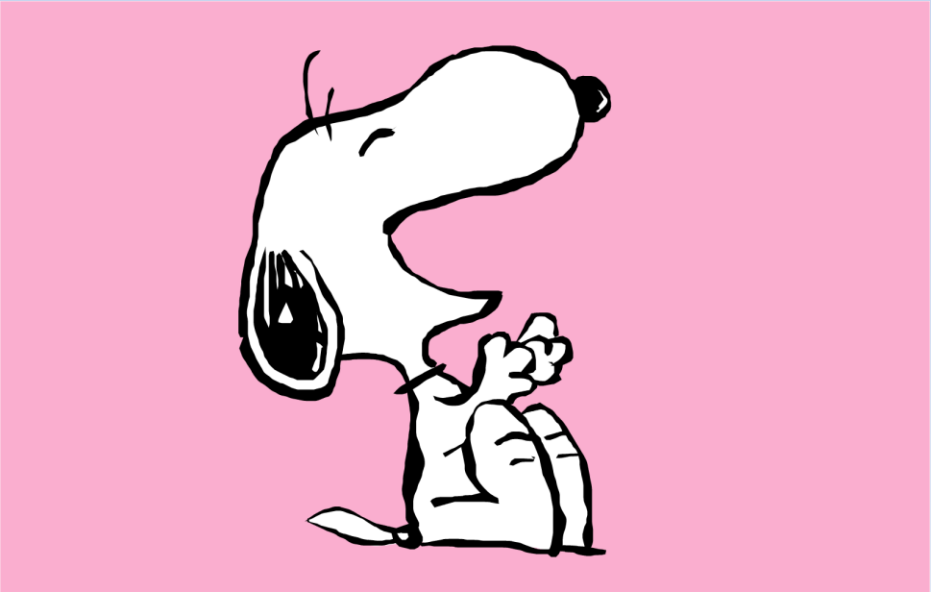
Today I would like you start by watching this video tutorial

https://www.youtube.com/watch?v=s9isWWqCogY

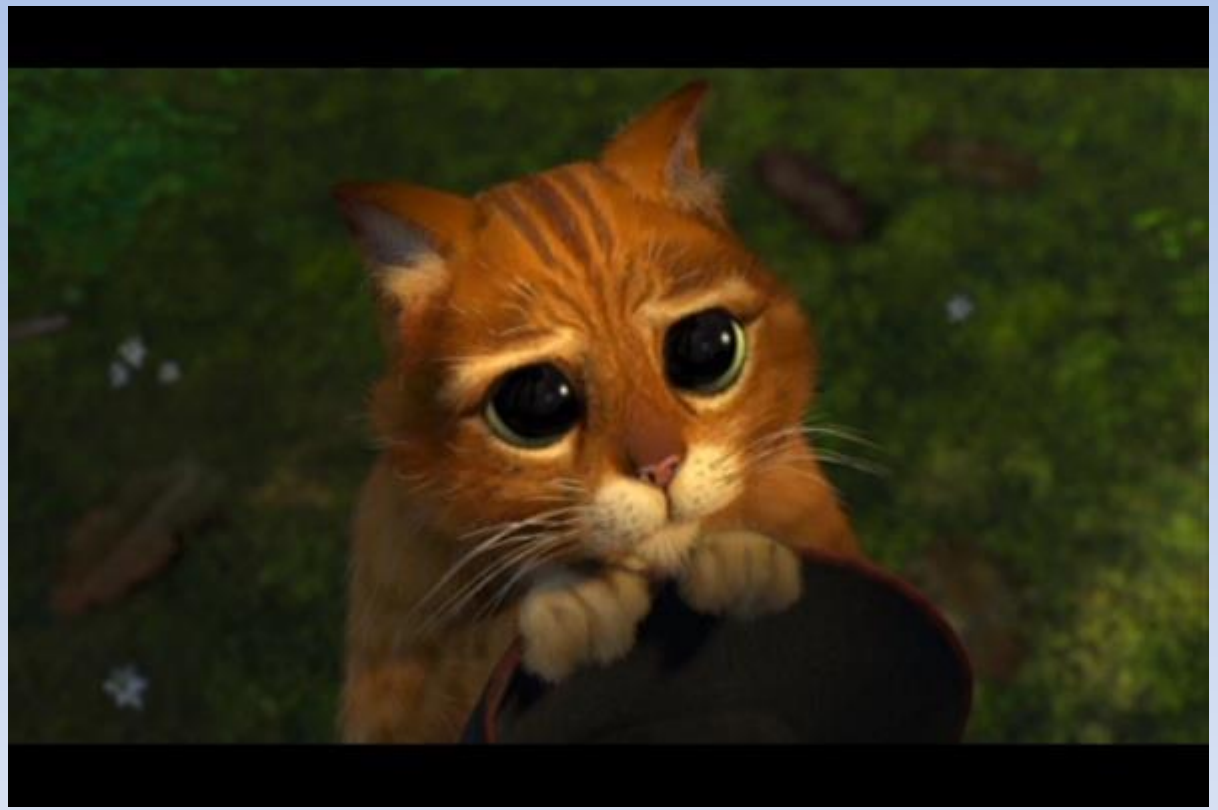
The rest of the lesson is based on this so make sure you listen very carefully! You need to answer questions using this technique!

Super easy wasn't it!?

APRIL FOOLS!!!



Tee hee! Sorry I couldn't resist! Will you forgive me?



Mental Maths

Recommended time 15 mins

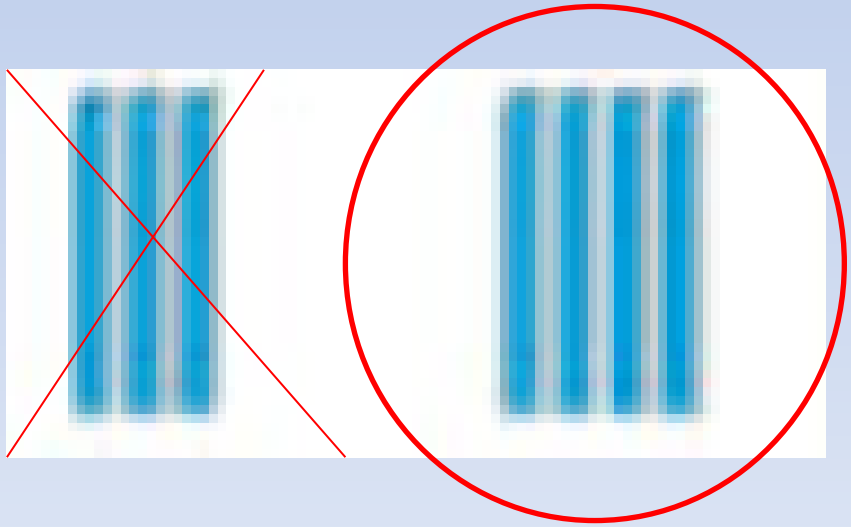
Subtracting multiples of ten

Multiples of ten are:

10,20,30,40,50,60,70,80,90,100

The easiest way to do this is to think about them as ten sticks so...

70-30=40



Mental Maths

Your turn!

1) 70-50=
2) 80-20=
3) 90-30=
4) 100-40=
5) 50-30=
6) 90-60=
7) 60-30=
8) 40-10=
9) 150-70=
10) 200-80=

L.I. To estimate and then subtract

Recommended time approx 1 hour

Steps to success

- I can make a sensible estimation by rounding to the nearest 10.
- I can subtract by drawing dienes or using the partitioning method.
- I can check if my answer is sensible by comparing it with my estimation.

Can you remember what estimation means?

Yes, it means to have a sensible guess!

This is useful for checking our answers look sensible.

It's useful in the real world when you go to pay for items at the till. If you have a rough estimate at how much you owe then you'll know if you have enough money!

One way we can have a sensible guess it to round to the nearest 10.

Watch this video clip to remind yourself how to do this!

https://www.youtube.com/watch?v=CMdck80SHnw

Your task, to estimate the answer to a subtraction sum, calculate the exact answer and then compare it to see if you're answer looks correct!

Here is an example...

59-33=

Step 1: Round both numbers...

59 rounds to 60

33 rounds to 30

Here is an example...
59-33=

Step 2: Subtract the rounded numbers to calculate your estimate.

60-30=30

So my estimate is that the answer to 59-33 will be around 30.

Here is an example...

59-33=

Step 3:Calculate the actual sum. Use either partition method or draw the dienes (Monday and Tuesday's lesson).

59	→	50 and 9
- 33	→	30 and 3
26		20 + 6

Answer=26

Here is an example...

59-33=

Step 4:Compare with your estimate, is it a sensible answer? If not, check your calculation..

So my estimate was 30 and my actual answer was 26 so yes I can feel confident I've got it right!

Your turn!

In your jotter round these numbers first, make and estimation. Then calculate the actual answer. Check it against your estimation.

Mild

1. 23- 12=
2. 37-14=
3. 79- 41=
4. 45-23=
5. 69- 48=
6. 87-23=
7. 65- 14=
8. 98-24=

Spicy

1. 23- 12=
2. 37-14=
3. 79- 41=
4. 145-23=
5. 369- 48=
6. 287-23=
7. 265- 114=
8. 398-424=

Hot

These have exchanges!

1. 23- 17=
2. 37-18=
3. 71- 47=
4. 145-29=
5. 363- 48=
6. 287-29=
7. 265- 118=
8. 392-428=

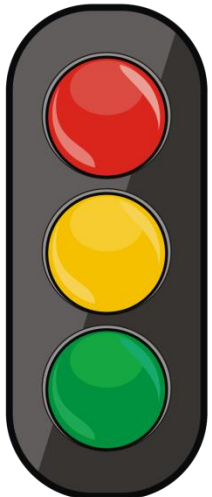
Let's reflect on our learning!

Can you now…

..make a sensible estimation by rounding to the nearest 10?

…subtract by drawing dienes or using the partitioning method?

…check if my answer is sensible by comparing it with my estimation?



Not achieved the learning intention- I've answered 'no' to all of the above. Go through the slides again.

Partly achieved the learning intention- I've answered 'yes' to some of the above Goo job! We'll keep practising.

Achieved the learning intention- I've answered 'yes' to all of the above. Well done!