Ways to support your child in maths in Autumn B (Cherry maths)

We do not send weekly maths homework in Year 2 as there are maths choices on the homework activities. However, we are aware that some parents would like to work on maths during the week to support the work being done in class. Please feel free to support your child by working on the concepts and strategies detailed below but it is not necessary to hand this in. *S.Hedley*

Ongoing: Please continue to help your child to tell the time and use the clocks around the home and on electronic devices.

Week 1-4 Addition and Subtraction:

*We will recap various strategies that the children are familiar with (place value, doubles, counting on, pairs to 10/20, remembering a fact by heart) and learn how to apply the best one to a particular question. E.G. 10 + 9 uses place value. 8 + 7 uses counting on. 8 – 4 = 4 uses doubles.
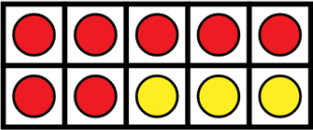
* We will encourage the children to use a wide range of apparatus to aid them in their understanding of addition and subtraction. These will include: coins, number lines, hundred squares, numicon, dienes, bead strings and cubes.

* We will look at different written number models and how they can help us with understanding of addition and subtraction:

Ten Frames:

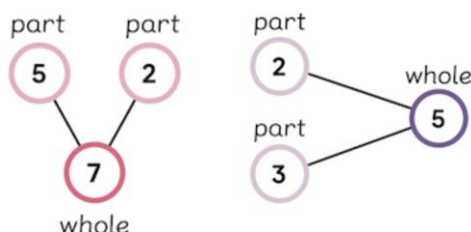2 by 5 frames in which children can draw 'counters' to support calculations in a visual way.

Part-whole models:

The Part-whole model is the concept of how numbers can be split into parts. Children using this model will see the relationship between the whole number and the component parts, this helps children make the connections between addition and subtraction.
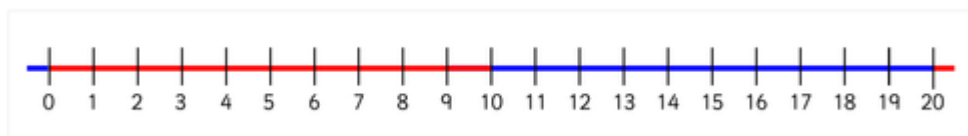
Bar models:
Another type of part whole model in which the two numbers in the smaller bars are component parts of the number in the longer bar.

Numberlines:
Children count along to the right to add and to the left to subtract. They will be introduced to the concept of empty numberlines where they write on their own numbers according to the calculation.

We will consolidate understanding of subtraction as taking away, finding the difference, finding how many more/less. We will also explore subtraction being the inverse (opposite) of addition.
* We will recap subtraction strategies in the same way as addition (above).
*No matter what level your child is working at, learning all of the subtraction facts to 20 by heart will help them to become more fluent, quick and accurate with subtraction.
*You could support them this week by practising the pairs to 10 (10-2 =8) and the related bonds to 20 (20-13=7) or 100 (100-40=60).
*Learning the doubles to 20 would be really useful. (16-8 = 8)
*Think about place value: 17-7 must be 10 if you think about place value.
*Some children will be extended by exploring place value to 100: 45 – 5 =
*We will explore missing numbers __ - 6 = 11, 13 - __ = 7, 29 - __ =20, 34 - __ = 4

Week 5 Money:
* We will be learning coin values and counting sets of coins. You can support them in this by allowing your child to play with/count different combinations of coins. Begin by keeping the value to under £1. You may want to extend your child to amounts over £1 if they already have a good understanding of money/coins.
* We will be learning about change and applying our knowledge using word problems.
* It would be great if you could take your child to a shop and give them the practical experience of paying for something in cash and receiving/checking the change.

Week 6 Fractions:
* We will learn about halves, quarters and thirds of shapes and numbers using a variety of practical tasks and activities.
* You can support your child by using the language of fractions at home. Preparing/eating food and talking about money/time are good opportunities for this.
EG: Would you like me to cut your pizza into quarters? How many pieces will that be? How many quarters are there in one half of your pizza?
Here is 20p. What is half of 20p?
I have chopped half of this bag of carrots. I chopped 3. How many were in the bag?

Shape:
* We will Revise 2d and 3d shape names.
* The children will describe and sort shapes according to their properties:

2d shapes	3d shapes
sides	edges
corners	faces (shape and number)
angles	vertices

* Support your child at home by talking about the shapes you can see in everyday objects.
* Children love guessing which shape you are talking about…
I am 2d. I have four sides of equal length. = Square
I am 3d. I have 6 faces. I have 12 edges and 8 vertices. All my faces are square = Cube

Week 7:
Productions, parties, theatre visits!

Thank you for any additional work that you decide to do at home.