**Addition and Subtraction**

There a wide range of activities that come under the category of ‘addition and subtraction’. Some of the skills required in this area can be things that you can integrate into your day to day life. Below there are suggestions on ways that you can work on these skills in a fun and informal way at home, as well as more structured activities:

Number Bonds

* Number bonds are a simple addition sum which become familiar to a child so that they can recognise it and complete it almost instantly from recall. They show how numbers can be split and join together. Please begin by working on the resource ‘number bonds to 10 on robot’, followed by ‘number bonds to 20 on robot’. If your child can complete these independently, try ‘missing number bonds of 100 jigsaw worksheet’.
* To further your child’s understanding of number bonds, find a spare piece of paper and ask your child to do the following for each of the number bonds they have completed in the previous task. If your number bond was:

3 + 7 = 10

 Can you show 3 alternative sums using the same numbers?

7 + 3 = 10

10 – 3 = 7

10 – 7 = 3

Adding and Subtracting

* You child can practice adding and subtracting at various levels using the online game ‘Daily Ten’: <https://www.topmarks.co.uk/maths-games/daily10>

Within this game, you can start with level one addition, adding one digit numbers to one digit numbers, followed by moving on to two digit numbers on level two. There are also subtraction options too. You can set a time limit for each question or complete the questions manually.

* The children need to practice adding and subtracting using various methods. Use the resource ‘missing numbers addition within 50’ activity sheet to practice using a number line to work out the sums. Make sure your child can find the correct number to start with on the number line and count in the correct direction to find the answer.
* Another method of adding and subtracting is through partitioning, also known as ‘splitting’ the number. Look at the resource called ‘split strategy introduction activity sheet’. This explains how to split numbers to make them easier to add. If your child can complete these activities, go back to the daily ten online game and complete some 2 digit addition and subtraction questions using this method.
* Another way of adding and subtracting is column addition. If your child has not done this before or needs some support, start with the resource called ‘2 digit addition on squared paper activity sheet’. Talk them through the first couple of sums; look at the ones column first. Add those two numbers together and write it underneath. Next look at the tens column and do the same. There are further activities to look at, such as ‘2 digit column subtraction’ and ‘3 digit column addition’. There may be sums within these activity sheets that require regrouping or carrying. Look at the resource ‘addition and subtraction column method 2 digit numbers’ for explanations on how to complete these tasks.

Problem Solving

* The children need to able to apply their addition and subtraction skills to real life situations. This can be done at home during day to day life. For example, when baking, you could ask your child how many more cupcake cases you might need if there are 24 spaces and you have already filled 7 of them. You could ask how many more Lego pieces would they need to make 30, or how many more grams they would need to make a kilogram when cooking. You could ask how many more minutes they have left of their hour on the Nintendo! Whatever you find that works for you, try to incorporate real life scenarios to test their addition and subtraction knowledge.
* There are some problem solving challenge cards called ‘addition and subtraction word problems activity sheet year 2’ that your child can work through. Ask them what sum they need to complete in order to find the answer. Sometimes they will need to do more than one sum. Make sure they show all of their workings. If you really want to challenge your child, try the ‘year 5 addition and subtraction multistep maths mastery challenge cards’!

Missing numbers

* It is important for the children to be able to work out addition and subtraction sums in various ways. Instead of 3 + 4 = 7, can they work out what needs to be added to 3 to make 7? Try the daily ten online game (<https://www.topmarks.co.uk/maths-games/daily10>) and choose to do adding and subtracting but with missing numbers. They give you the choice of different calculations; please see if your child can try a variety of ways. Start of level one and work your way up until you find the level that is correct for your child.

Money

* It is important that addition and subtraction skills can be transferred over to money too. You can have a play with money at home with your child; give your child some coins, play shops and ask them to buy a snack. Have a list of prices for snacks. See if your child can work out what change is needed. This is also a good skill for recognising and using coins, as well as the addition and subtraction skills.
* If you would like to push your child further, use the ‘loop cards’ resource. On the right hand side of the cards there is are money related sums. Once your child has worked out the answer on a card, he needs to find another card with the same answer on the left hand side of it, before matching them together. They can then tackle the sum on the right hand side of this second card, and gradually make a loop with the cards, with the questions and answers next to each other.