

# Year 2

## Addition and Subtraction

This half term, we will focus on developing the children's calculation skills. Children are now expected to know all of the addition and subtraction number facts within 20 (e.g.  $3 + 11 = 14$ ;  $16 - 7 = 9$ ) and be able to relate these facts to multiples of 10 - for instance if I know  $2 + 3 = 5$ , I also know that  $20 + 30 = 50$ . These skills will help children master both addition and subtraction of two 2-digit numbers.

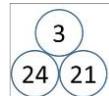
At first we will work with numbers where the ones do not bridge 10 (e.g.  $34 + 22$ ;  $78 - 24$ ). Once they are secure with these principles, we will move onto the addition and subtraction of numbers that *do* bridge 10 (e.g.  $45 + 17$ ;  $64 - 32$ ). All strategies taught will be mental maths ones, although many pictorial and concrete resources (such as number lines, hundred squares, base 10 and place value counters) will be used to support the children. Please see our school calculation policy for more details about this.

## Activities & Games!

★ Get a shoelace or a piece of string. Thread 10 objects along the string (pasta, beads etc). Use the string to practise number bonds to 10. You could even add more beads in multiples of 10 to practise number facts to 20 or beyond!

★ Write the numbers 1 to 10 on individual pieces of paper. How many can you put into pairs that add up to 10? Can you use them all? Can you describe how you found the answer?

★ Draw three circles like this and write the number 1, 2 or 3 in the top circle. The numbers in the circles below must be different by the number in the top circle ( $24 - 21 = 3$ ). How many different combinations can you find that have three tens?



## Going deeper...

Are the following statements always true, sometimes true or never true? Investigate and try to explain your findings!

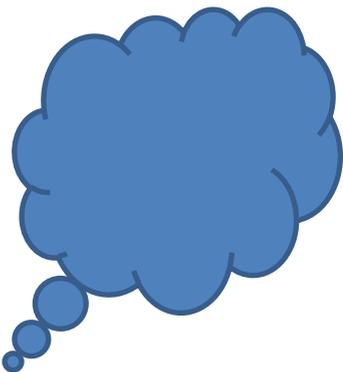
When you add two numbers you can change the order and the answer will be the same.

When you subtract one number from another number, you can change the order and the answer will be the same.

If you add 10 and take away 1 it is the same as adding 9.

When you add 10 to a number the answer is a multiple of 10.

## Maths



## Wonderful websites

[Balancing numbers](#)—this challenge is great for looking at different ways to make the same number.

[Fruit splat addition](#)— this game has lots of different difficulty levels.

[Hit the Button](#)— play the number bonds games of this activity!

[Number families](#)— this game is great for seeing the relationship between addition and subtraction.