



Year 2: Autumn term 1

Topics studied this half term:

- Number and place value
- Addition and subtraction

Within number and place value, your children will be learning to:

- Count objects to 100 and read and write numbers in numerals and words
- Represent numbers to 100
- Organise tens and ones with a part-whole model
- Use addition with tens and ones
- Use a place value chart
- Compare and order objects and numbers
- Count in 2s, 3s, 5s and 10s

Within addition & subtraction, your children will be learning to:

- Recognise addition and subtraction bonds to 20
- Check calculations
- Compare number sentences
- Use number bonds to 100
- Add and subtract 1s
- Find 10 more and 10 less
- Add and subtract 10s
- Add and subtract a 2-digit and a 1-digit numbers crossing ten
- Add three 1-digit numbers

Tips for good homework habits:

Plan a homework timetable and agree a time when your child will do their homework.

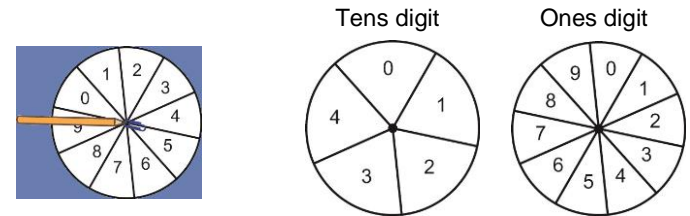
Number and place value

HERE'S THE MATHS

< means 'less than' > means 'greater than' = means 'equals' or 'is equal to'

The wider part of < and > belongs next to the larger number and the narrow point belongs next to the smaller number, e.g. $26 < 42$ (26 is less than 42) and $42 > 26$ (42 is greater than 26).

ACTIVITY



The diagram illustrates the activity setup. On the left, a circular spinner is shown with a pencil and a paper clip attached to its center. The spinner is divided into ten equal segments, numbered 0 through 9. To the right of this are two separate circular spinners. The first is labeled 'Tens digit' and is divided into five segments numbered 0, 1, 2, 3, and 4. The second is labeled 'Ones digit' and is divided into ten segments numbered 0 through 9. To the right of these spinners is a box containing the text 'You will need:' followed by a list of items: pencil, paper clip, and paper.

You will need:

- pencil
- paper clip
- paper

What to do

- Use the paper clip and pencil as shown in the picture above to create a spinner.
- Take turns to create a 2-digit number by first spinning on the tens digit circle and then the ones digit circle. Say the number and write it on a piece of paper. Draw a box to the right of it. Repeat to make a second 2-digit number, say it and write it to the right of the box, e.g. $36 \square 47$.
- Write the correct less than or greater than sign (< or >) in the box in between the two numbers.
- Score a point for every correct comparison. The winner is the player with the most points after a chosen number of turns or a set amount of time.

Variation

- Look for 2-digit numbers up to 50 in everyday life and compare them.

QUESTIONS TO ASK

How many tens/ones are there in that 2-digit number?

How do you know which sign to use in between the two numbers?

If the two numbers have the same number of tens, how do you know which number is less/greater than the other?

Addition and subtraction

HERE'S THE MATHS

An addition and subtraction fact family is a group of four related facts made using the same three numbers. This fact family is made using the numbers 2, 10 and 12:

$$10 + 2 = 12 \quad 2 + 10 = 12 \quad 12 - 10 = 2 \quad 12 - 2 = 10$$

ACTIVITY

13	1	10	5	15	20	3
4	14	19	17	0	12	9
18	7	2	11	8	6	16

You will need:

- pencil and paper

What to do

- Take turns to pick two numbers from the grid above.
- Agree whether to add or subtract the two numbers (if adding, the total must be 20 or less) and each write the calculation on your own piece of paper.
- Use the three numbers to create your own fact family by writing the other three related addition and subtraction facts.

Variation

- Write each number 0 to 20 on a small piece of paper and arrange them in groups of three numbers that make fact families. Write +, - and = on other pieces of paper and then time how long it takes to arrange each set of three numbers in all four ways.

QUESTIONS TO ASK

How did you work out the missing number in the fact family?

What do you need to add to/subtract from X to give Y?

What is X add/plus/take away/subtract Y?

How did you work out the other calculations in the fact family?