

Day 1

Teach

Follow this link and work through the page:

<https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk>

If you cannot watch the video, read the information below.

Negative numbers

Numbers don't just stop at **zero**. When you count **backwards** from **zero**, you go into **negative numbers**.

Positive numbers are more than zero: 1, 2, 3, 4, 5, etc.

Negative numbers are less than zero: -1, -2, -3, -4, -5, etc.

A number line can be used to order negative and positive numbers.

Zero, 0, is neither positive nor negative.

Practice

Activity 1 & 2

Activities 1 and 2 can be completed on the website attached at the top.

Activity 3

1) Write the numbers in the correct place on each number line.



a) -2 -6 -3 -1 2



b) 1 -7 -5 -1 -11



c) This number line has no marked intervals.
Where could these numbers be positioned?

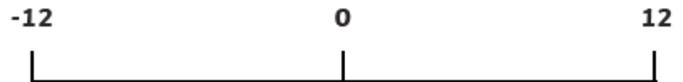
3 -10 -8 -3 -2



2) Here is a number line without intervals.

a) Estimate where on the number line each number should go and then write it in the correct position.

-11 -3 9 -6 -2



b) Choose any two of the numbers and explain how you estimated their position.

Day 2

Teach

Work through this webpage:

<https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/zyhdfcw>

Or, read the information below:

Mental addition and subtraction

Rounding numbers

Rounding numbers to the nearest 1, 10 or 100 can help with lots of mental maths problems.

- To add 9 to another number, add 10 and then subtract 1: $36 + 9 = 36 + 10 - 1 = 45$
- To add 18 to another number, add 20 and then subtract 2: $48 + 18 = 48 + 20 - 2 = 66$
- To add 97 to another number, add 100 and then subtract 3: $439 + 97 = 439 + 100 - 3 = 536$
- To add 0.9 to another number, add 1 and then subtract 0.1: $3.7 + 0.9 = 3.7 + 1 - 0.1 = 4.6$

Breaking down numbers

Breaking down numbers can help you add or subtract in your head. For example: find the difference between 38 and 63.

- Count on from 38 to 40 and keep that 2 in your head.
- Now count on from 40 to 60, which is 20.
- Finally count from 60 to 63 which is 3.
- Add them together: $2 + 20 + 3 = 25$

Practice

Activity 1 & 2

Activities 1 and 2 can be completed on the website attached at the top.

Activity 3

Mental Maths Adding Worksheet 1

Read the problems and add the answer in your head.

1. Add together 40p, 70p and 30p.
2. What is the total of 15, 19 and 23?
3. Lauren was given some money for her birthday. Her brother gave her £2.50, her sister gave her £1.00 and her grandma gave her £4.50. How much did she get in total?

4. Omar collects 68 bus tickets and 34 train tickets. How many tickets does he have in total?

5. Caroline has 2 bags of apples. One bag has 13 red apples in and the other bag has 24 green apples. How many apples does she have in total?
6. What is the sum of 38, 20 and 87?

7. Samir buys three chocolate bars. A Mars that cost 62p, a Snickers that cost 59p and a Milky Way that cost 70p. How much did he spend in total?
8. A teacher gives out 16 pencils on Monday, 22 on Tuesday and 29 on Thursday. How many pencils did she give out in total?
9. How much is 84p plus 39p plus 47p?
10. Three sacks of potatoes were delivered to a shop. They weighed 18kg, 35kg, 27kg. How much did they weigh in total?