

Positive and negative numbers

Write these numbers in order from smallest to largest.

1 -7 -17 -7.7 1.7 27

2 -48 12 53 -9 -2.1

Add 5 to each of these numbers.

3 -6 $\longrightarrow$

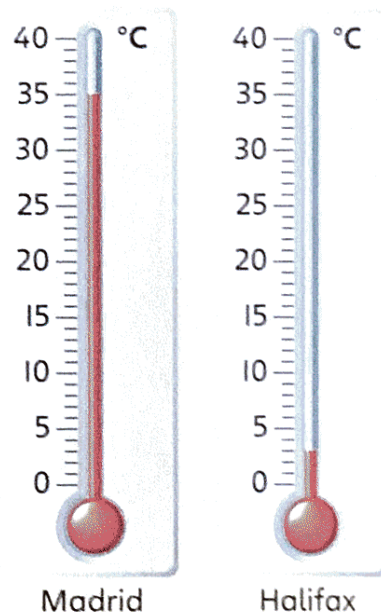
4 -12 $\longrightarrow$

5 -3 $\longrightarrow$

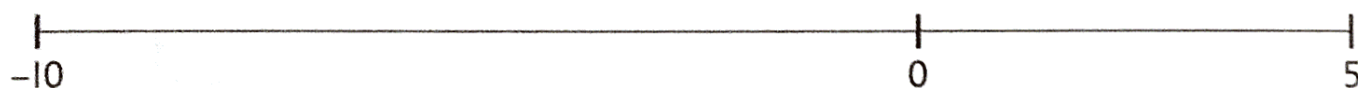
Now answer these questions.

6 The temperature in the Arctic Circle is 30°C colder at night. If it reaches 12°C in the day, how cold is it at night?

7 Look at the thermometers. What is the difference between the two recorded temperatures?



8 Copy this number line and mark on -5 and -9.



During one 24-hour day, the minimum and maximum temperatures in a city are 20°C apart. If the minimum is between 0°C and -4°C , what are the possible whole number maximum temperatures?

I am confident with reading, writing and ordering negative numbers.

Write each set of numbers in order from smallest to largest.

1 -27 5 -28 13 26 -5

2 -1 -0.5 0.5 0 1.5 -1.5

Use these cards to write pairs of numbers with a difference of one.

3

-12.8

-11.4

-11.8

-13.5

-12.4

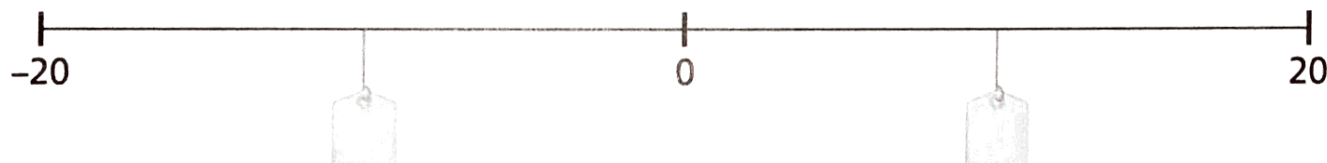
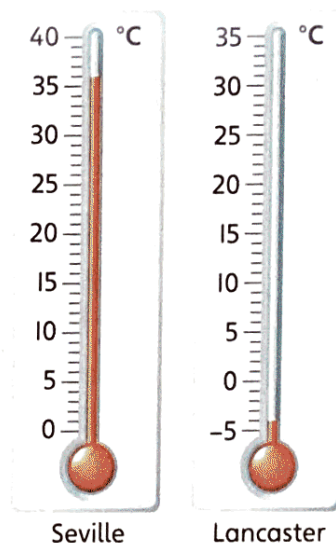
-14.5

Now solve these problems.

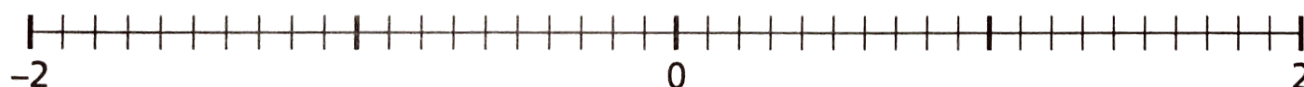
4 The temperature inside an aeroplane is 22°C . Outside the aeroplane it is -30°C . What is the difference between these two temperatures?

5 What is the difference between the temperatures on these thermometers?

6 The two tag numbers have a difference of 20°C . Write two possible pairs of numbers that they could be.



7 Draw this line and mark on -0.45 and 1.5 .



The temperature difference between midday and midnight in Albany is 12 degrees. The daytime temperature varies between 18°C and 24°C . Write some possible temperatures at midnight and midday.



I am confident with reading, writing and ordering negative numbers.