

Negative Numbers

1. The temperatures of 8 world cities are shown below.

Toronto: 7°C	New York: 9°C	Harare: 0°C	Dubai: 13°C
Auckland: -2°C	Reykjavik: -7°C	Tokyo: 4°C	Helsinki: -3°C

Use the table and your thermometer to answer the questions below:

- a) Which city is the coldest? _____
- b) Which city is 3 degrees colder than Toronto? _____
- c) Which city is 5 degrees warmer than Tokyo? _____
- d) Which city is 13 degrees colder than Dubai? _____
- e) Which city is 2 degrees colder than Harare? _____
- f) Which city is 1 degree warmer than Helsinki? _____
- g) Which city is 7 degrees colder than Tokyo? _____
- h) What is the difference in temperature between Reykjavik and Auckland? _____
- i) What is the difference in temperature between New York and Reykjavik? _____

2. The table below shows how the temperatures changed 6 months later.

Toronto: fell by 10°C	New York: fell by 8°C	Harare: rose by 8°C	Dubai: fell by 5°C
Auckland: rose by 9°C	Reykjavik: fell by 6°C	Tokyo: fell by 6°C	Helsinki: rose by 4°C

Use this information to fill in the table below showing the temperatures in 6 months time.

Toronto: ____°C	New York: ____°C	Harare: ____°C	Dubai: ____°C
Auckland: ____°C	Reykjavik: ____°C	Tokyo: ____°C	Helsinki: ____°C

3. These counting back tasks can be written as calculations e.g. $7 - 8$. 7 is the number you start on and 8 is the number of jumps you count backwards. $7 - 8 = -1$

Use the number line below to jump with your finger to count backwards and work out the answers to the calculations.



- a) $0 - 3 =$
 - b) $7 - 9 =$
 - c) $15 - 23 =$
 - d) $1 - 20 =$
 - e) $15 - 15 =$
 - f) $-3 - 4 =$
 - g) $-9 - 20 =$
4. Circle **two** numbers with a **difference** of 8.

-5 -4 -3 -2 -1 0 1 2 3 4 5