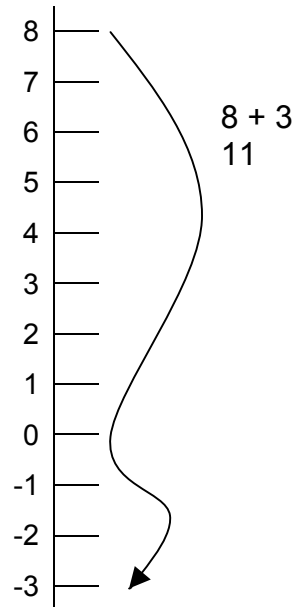# Skillswise

Find the difference

Using a vertical number line for finding the difference between positive and negative numbers.

1. Find the difference between these numbers:

   a. 8 and -3 (this has been done for you)
   b.   2 and -2
   c. 15 and -5

```
8 ─┐
7 ─┤ ⎫
6 ─┤ ⎬  8 + 3
5 ─┤ ⎪  11
4 ─┤
3 ─┤
2 ─┤
1 ─┤
0 ─┤
-1 ─┤
-2 ─┤
-3 ─┘
```

2. Find the difference between these temperatures:

   a. 10°C and -1°C
   b. 5°C and -5°C
   c. 21°C and -11°C

3. Use the number line to answer these questions:

   a. The temperature in London is 4°C and the temperature in Edinburgh is -1°C. How much colder is it in Edinburgh than London?

   b. Yesterday the daytime temperature was 7°C but overnight the temperature fell to -2°C, by how many degrees did the temperature fall?

   c. The temperature in Manchester is 8°C and the temperature in Moscow is -4°C. How much warmer is it in Manchester?

   d. The temperature in Elicia's fridge is 4°C but the temperature in her freezer is -15°C. What is the difference in temperature between her fridge and my freezer?

   e. The temperature in the morning was -1°C but by midday it had risen to 5°C. What was the rise in temperature?

Now check your answers.

Find the difference

Using a vertical number line for finding the difference between positive and negative numbers.

```
21
20
19
18
17
16
15
14
13
12
11
10
 9
 8
 7
 6
 5
 4
 3
 2
 1
 0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
-13
-14
-15
```