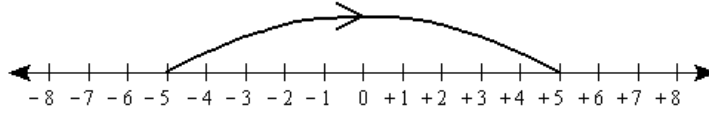


Showing temperature changes

This task is about showing and writing equations with negative numbers on number lines.

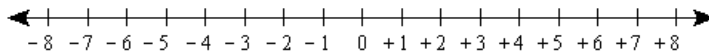
On Day 1 of a week the temperature changed from 5°C below (-5°C) to 5°C above zero ($+5^{\circ}\text{C}$), as shown on the number line below.

This change may also be written as an equation: $-5^{\circ}\text{C} + 10^{\circ}\text{C} = 5^{\circ}\text{C}$.



a) For Day 2 the temperature change was from 6°C below zero to 2°C below.

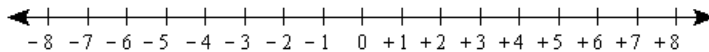
- i) Draw the temperature change on the number line below, using an arrow to show the direction of the change.



- ii) Write an equation to show the change in temperature for Day 2. _____

b) For Day 3 the temperature change was from 3°C below zero to 4°C above.

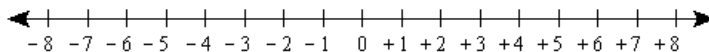
- i) Draw the temperature change on the number line below.



- ii) Write an equation to show the change in temperature for Day 3. _____

a) For Day 4 the temperature change was from 4°C below zero to 8°C below.

- i) Draw the temperature change on the number line below.



- ii) Write an equation to show the change in temperature for Day 4. _____