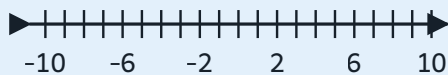


TEMPERATURE CHANGE ACROSS ZERO

- 1 Start at $+2^{\circ}\text{C}$ and count down to zero: that is 2 degrees.
- 2 Then count from zero down to -5°C : that is 5 more degrees.
- 3 Add the two parts: $2 + 5 = 7$ degrees drop.

WARM-UP

Mark the points on the blank number line.



1. Mark -8 , -3 and $+2$ on the number line
2. Mark -5 and $+6$ on the number line
3. Label zero and say which markers are left of it

PRACTICE

- 1 In winter a thermometer shows -8°C . How many degrees below zero is the temperature? _____
- 2 A lift goes to the carpark on floor -3 . How far below ground is that floor? _____
- 3 On a number line mark the point for $+2^{\circ}\text{C}$ in spring weather.



- 4 The temperature falls from $+4^{\circ}\text{C}$ to -7°C . How many degrees does it drop?
- 5 A summer day starts at $+6^{\circ}\text{C}$ in the morning and drops to -3°C at night. How many degrees does it change?
- 6 Mark -8 , -5 and $+6$ on a number line from -10 to $+10$ and say which side of zero each sits.



? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A negative number is to the left of zero on a number line.
- b. A temperature of -1°C is colder than -10°C .
- c. A change from $+2$ to -5 crosses zero.
- d. The temperature in an Irish weather report is below zero.

IRISH FACT Ireland's coldest day

The lowest air temperature ever recorded in Ireland was -19.1°C , at Markree Castle, Co. Sligo, in 1881.

Met Éireann

