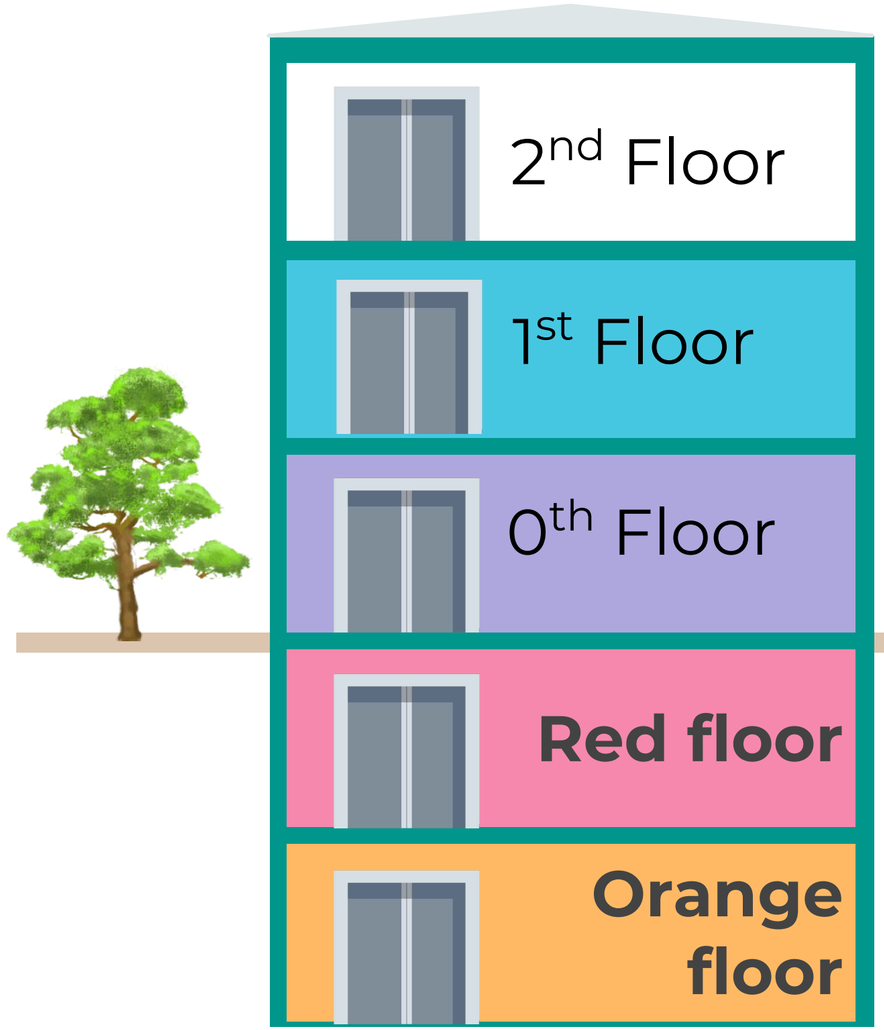
Mathematics

Negative Numbers in Context Worksheet

Mrs Buckmire

Try this



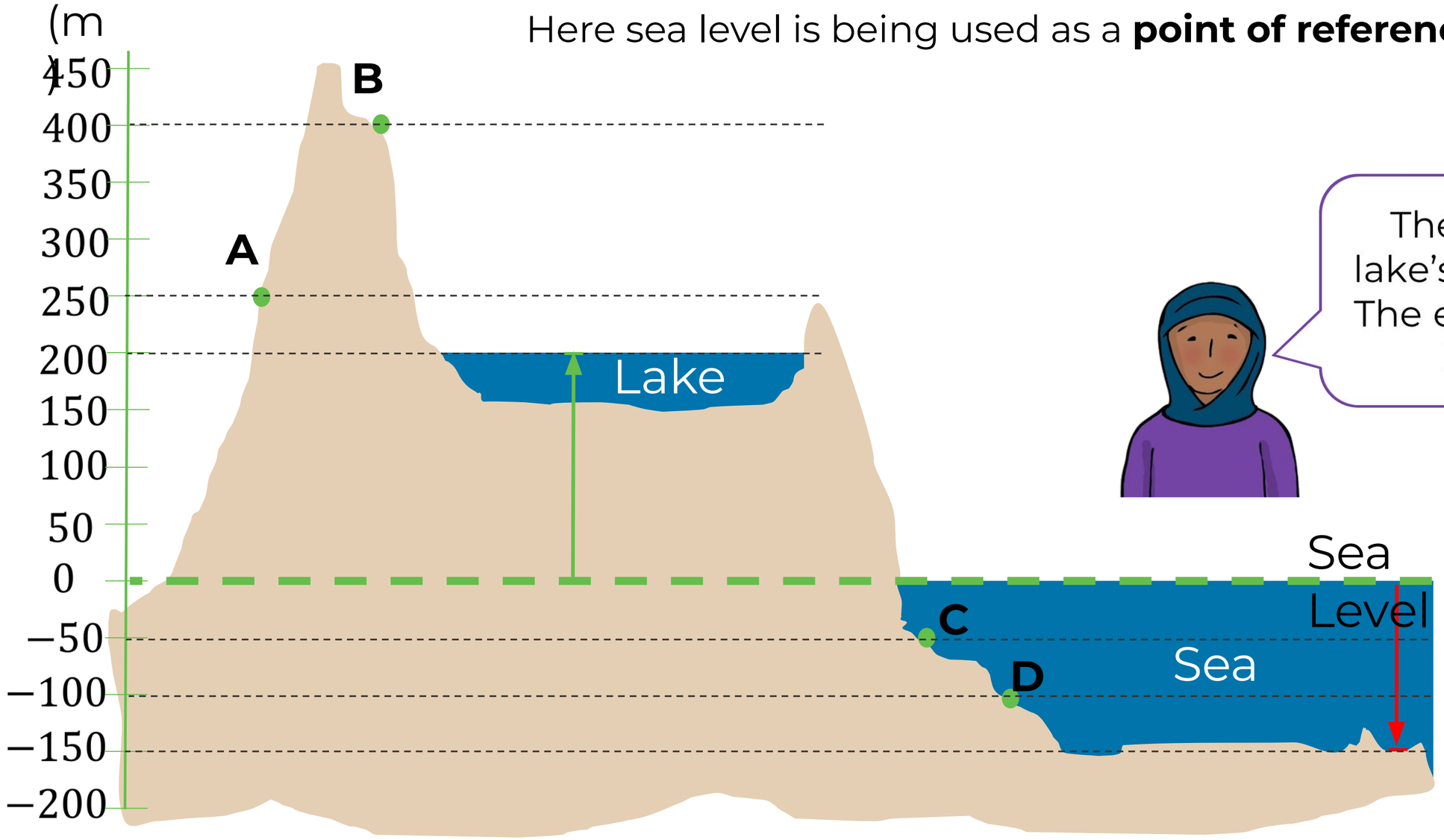
"You need to **go down 1** floor to go from the 2nd floor to the 1st floor"

- What other journeys can you describe?
- How might you number the red and orange floors?
- How might you number the floors on a different building?

Resume the video once completed

Connect

Here sea level is being used as a **point of reference**.



The elevation of the lake's surface is +200 m. The elevation of the sea bed is −150 m.

Resume the video once completed

Independent task

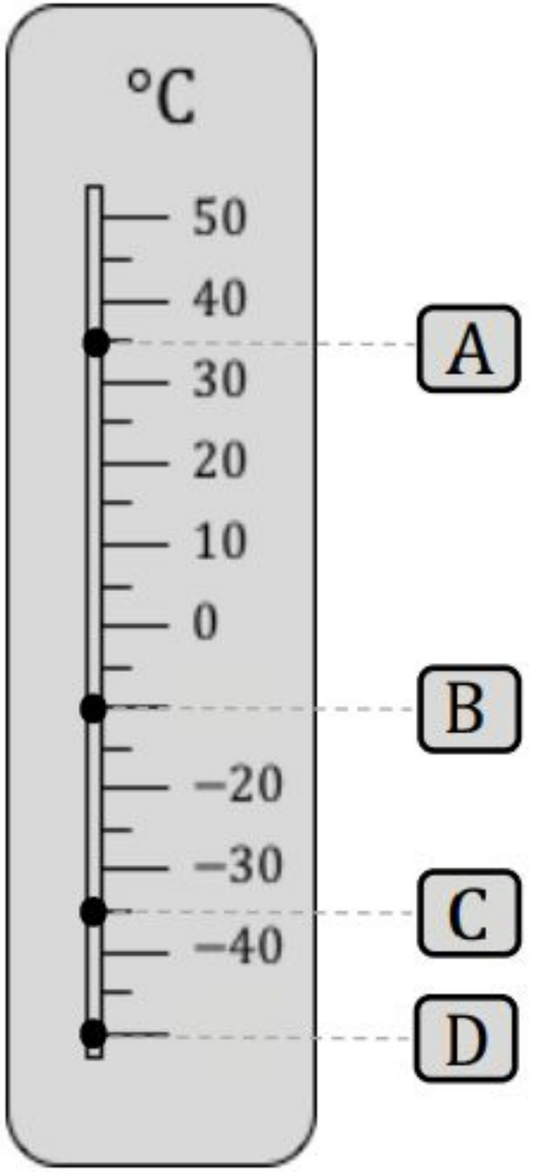
a) Find the missing temperatures marked on the thermometer.

b) What temperature is 35 degrees warmer than -15℃?

c) What temperature is 35 degrees colder than -15℃?

d) Describe the temperature change from:

i) C to A ii) A to C iii) D to C iv) C to B v) D to B

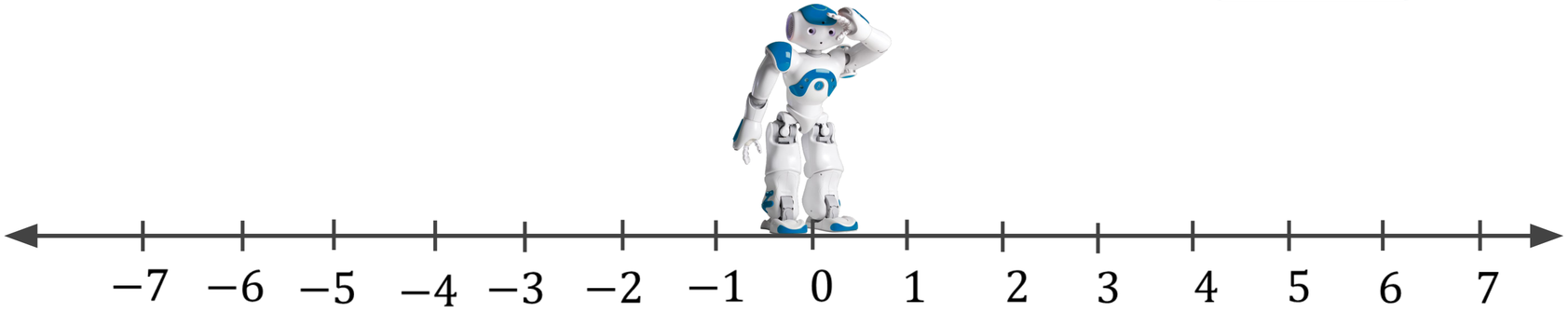


Resume the video once completed

Explore

A robot can be programmed to move East and West

W ⟷ E



A : < robot.move.east(5)>

B : < robot.move.west(3)>

e.g. A B B A will send the robot to 4.

Use a combination of As and Bs to send the robot from 0 to the following numbers:

+2 −6 −1 +7 +6

Challenge: Can you find an integer that the robot can't reach?

Resume the video once completed