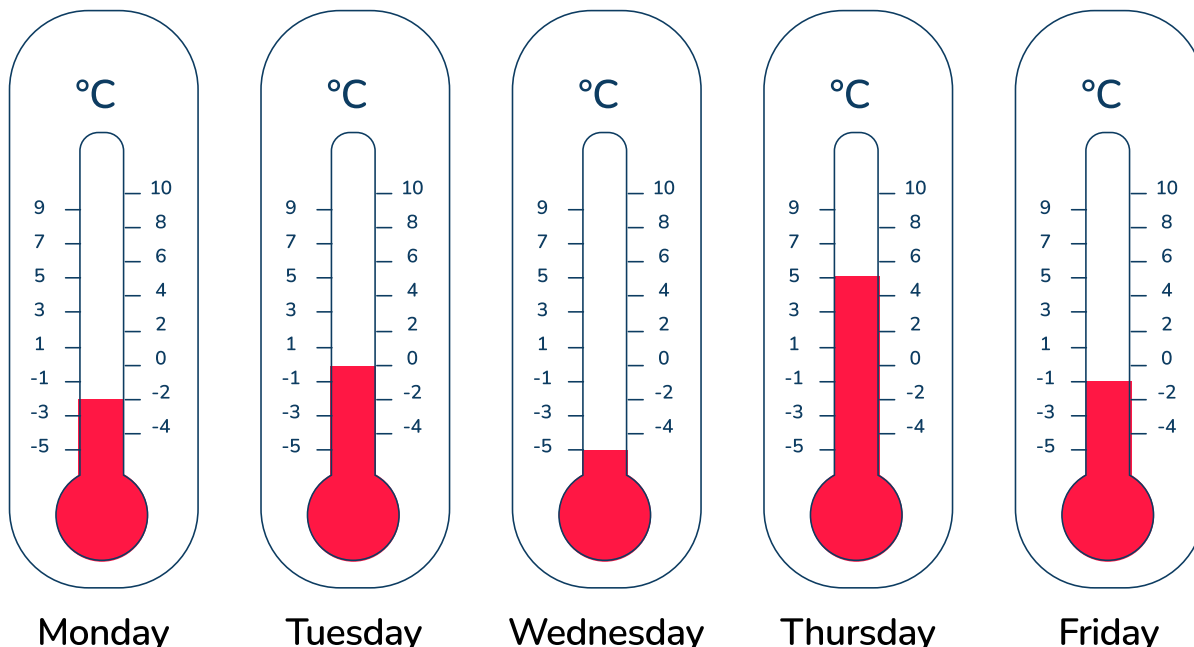


## To understand how to read and interpret negative numbers in context

- 1 The thermometers show the temperature in the morning in the classroom last week.



- a What were the temperatures?
- b The temperature on Monday rose by  $5^{\circ}\text{C}$  in the afternoon, what was the new temperature?
- c The temperature on Wednesday rose by  $9^{\circ}\text{C}$  in the afternoon, what was the new temperature?
- d The temperature on Friday rose by  $3^{\circ}\text{C}$  in the afternoon, what was the new temperature?
- e The temperature on Thursday fell by  $8^{\circ}\text{C}$  in the afternoon, what was the new temperature?

## To understand how to read and interpret negative numbers in context

2 Use the image to help you answer these questions.

a Where is the diver in metres?

b Where is the bird in metres?

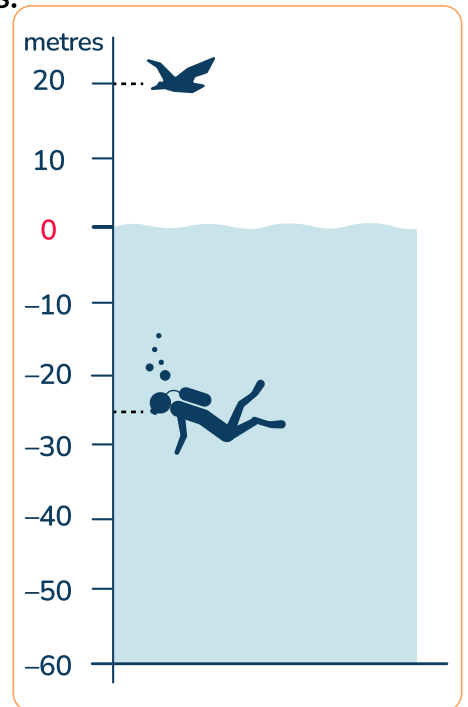
c How far apart are the bird and the diver?

d The diver swims down 5m, where are they now?

e The bird dives down 25m, where are they now?

f A second diver is at -45m. Mark this on the image.

g How far apart is the second diver from the shown position of the first diver?



3 Andrew starts with £15 in his bank account.

True or false:

a If he spends £15, he will have £0 left.

b If he spends £20, he will have £35 left.

c If he spends £30 but gains £10, he will have £5 left.

d If he spends £19 on one item and £13 on another, he will have £17 left.

e Create a true or false question of your own.

## To understand how to read and interpret negative numbers in context

Question Number	Question	Answer
1	The thermometers show the temperature in the morning in the classroom last week.	a) Monday $-2^{\circ}\text{C}$ , Tuesday $0^{\circ}\text{C}$ , Wednesday $-5^{\circ}\text{C}$ , Thursday $5^{\circ}\text{C}$ , Friday $-1^{\circ}\text{C}$ b) $3^{\circ}\text{C}$ c) $4^{\circ}\text{C}$ d) $2^{\circ}\text{C}$ e) $-3^{\circ}\text{C}$
2	Use the image to help you answer these questions.	a) $-25\text{m}$ b) $20\text{m}$ c) $45\text{m}$ d) $-30\text{m}$ e) $-5\text{m}$ f) Diver marked between $-40\text{m}$ and $-50\text{m}$ g) $20\text{m}$
3	a to d) True or false. e) Create a true or false question of your own.	a) True as $\pounds 15 - \pounds 15 = 0$ b) False as $\pounds 15 - \pounds 20 = -\pounds 5$ c) False as $\pounds 15 - \pounds 30 + \pounds 10 = -\pounds 5$ d) False as $\pounds 15 - \pounds 19 - \pounds 13 = -\pounds 17$ , not $\pounds 17$ e) Answers will vary.