



4 Question Challenge on...

## Comparing Temperatures.

- Q1** Work out the difference between  $-3^{\circ}\text{C}$  and  $4^{\circ}\text{C}$ .
- Q2** At 9pm the temperature in Edinburgh was  $2^{\circ}\text{C}$ .  
At 3am the temperature was  $-6^{\circ}\text{C}$ .  
*By how many degrees did the temperature fall?*
- Q3** The table shows the minimum and maximum daily temperatures in six cities in the USA in January.

| City        | Minimum $^{\circ}\text{C}$ | Maximum $^{\circ}\text{C}$ |
|-------------|----------------------------|----------------------------|
| New York    | $0^{\circ}\text{C}$        | $10^{\circ}\text{C}$       |
| Los Angeles | $8^{\circ}\text{C}$        | $18^{\circ}\text{C}$       |
| Chicago     | $-4^{\circ}\text{C}$       | $8^{\circ}\text{C}$        |
| Houston     | $11^{\circ}\text{C}$       | $20^{\circ}\text{C}$       |
| Boston      | $-2^{\circ}\text{C}$       | $13^{\circ}\text{C}$       |
| Anchorage   | $-12^{\circ}\text{C}$      | $-5^{\circ}\text{C}$       |

- (a) Which city recorded the lowest minimum temperature?
- (b) What is the difference in  $^{\circ}\text{C}$  between Boston's minimum and maximum temperature?
- (c) What is the difference in  $^{\circ}\text{C}$  between Anchorage's minimum and maximum temperature?
- Q4** At 5am the temperature is  $-6^{\circ}\text{C}$ .  
By 2pm the temperature went up by  $9^{\circ}\text{C}$ .  
From 2pm to 11pm the temperature went down by  $15^{\circ}\text{C}$ .  
Work out the temperature at 11pm.