

Diving into Mastery - Diving

Adult Guidance with Question Prompts

Children will need a thermometer for this activity. The measuring could be done in groups or as a whole class. Children read scales in tens.

What do you think the temperature will be in the classroom/ playground/hall?

What is the temperature on the thermometer?

How can you record that on your thermometer picture? What does each interval represent?

Which place was the warmest?

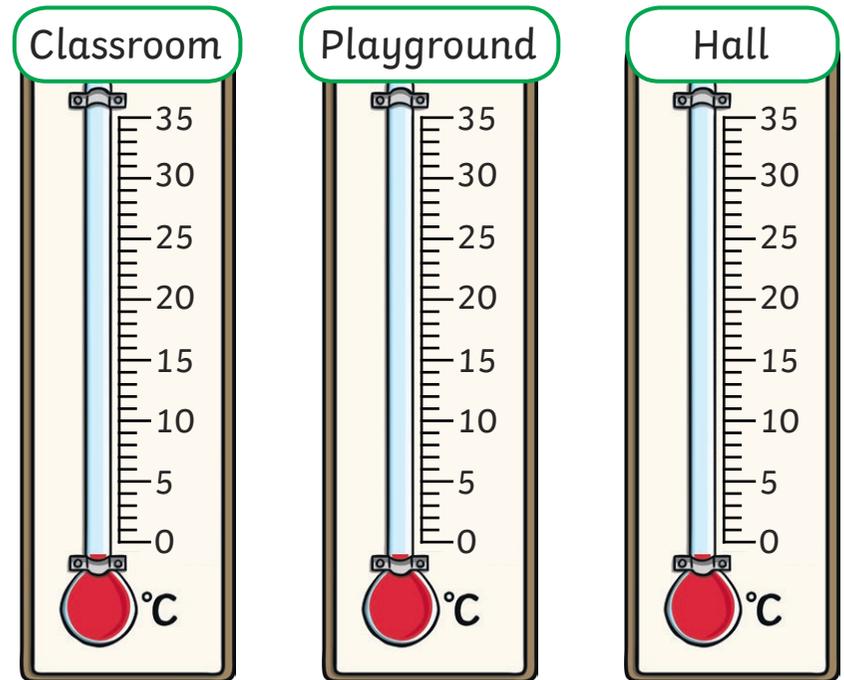
Which place was the coldest?

How can we work out the difference between the two temperatures?

Temperature



Estimate the temperature in each area of your school. Then, use a thermometer to measure each temperature. Record each temperature by colouring in the thermometer.



The warmest place is the _____.

The coldest place is the _____.

The difference in temperature between the warmest and the coldest place is _____ °C.

Diving into Mastery - Deeper

Adult Guidance with Question Prompts

Children compare thermometers with different scales (ones and twos).

Look at the thermometers. How are they the same? How are they different?

What can you tell me about the scale on each thermometer?

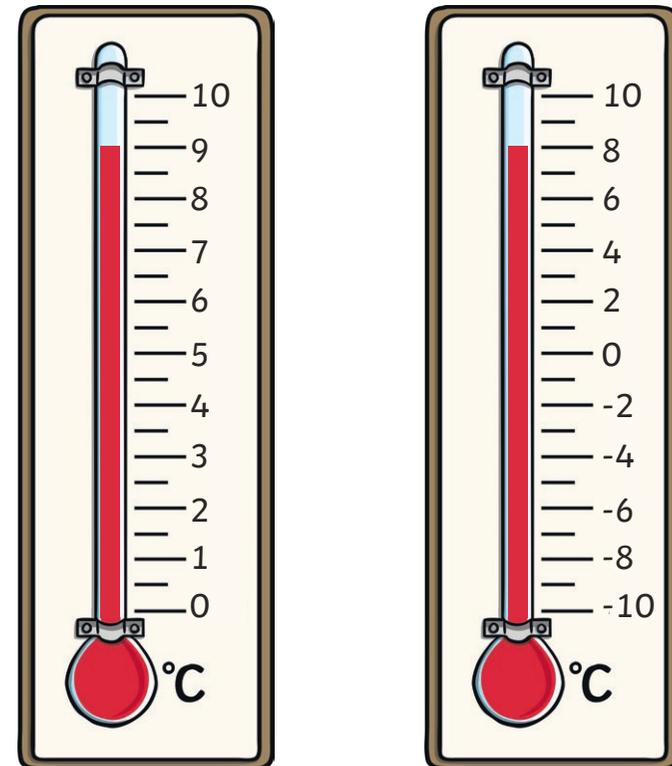
Are all the intervals labelled?

What do the intervals represent on thermometer A?

What about thermometer B?

What temperature is each thermometer showing?

Temperature



True or false?

These two thermometers show the same temperature. Explain how you know.

Investigate the thermometers that you have in the classroom or around school. Do they all have the same scale?

Diving into Mastery - Deepest

Adult Guidance with Question Prompts

Children read scales in twos. They solve problems related to temperature.

Look at the thermometers. What can you tell me about the scale?

Are all the intervals labelled?

What does each interval represent?

What is the temperature in each place?

Which is the warmest?

What is the difference between the temperature in London and Cardiff?

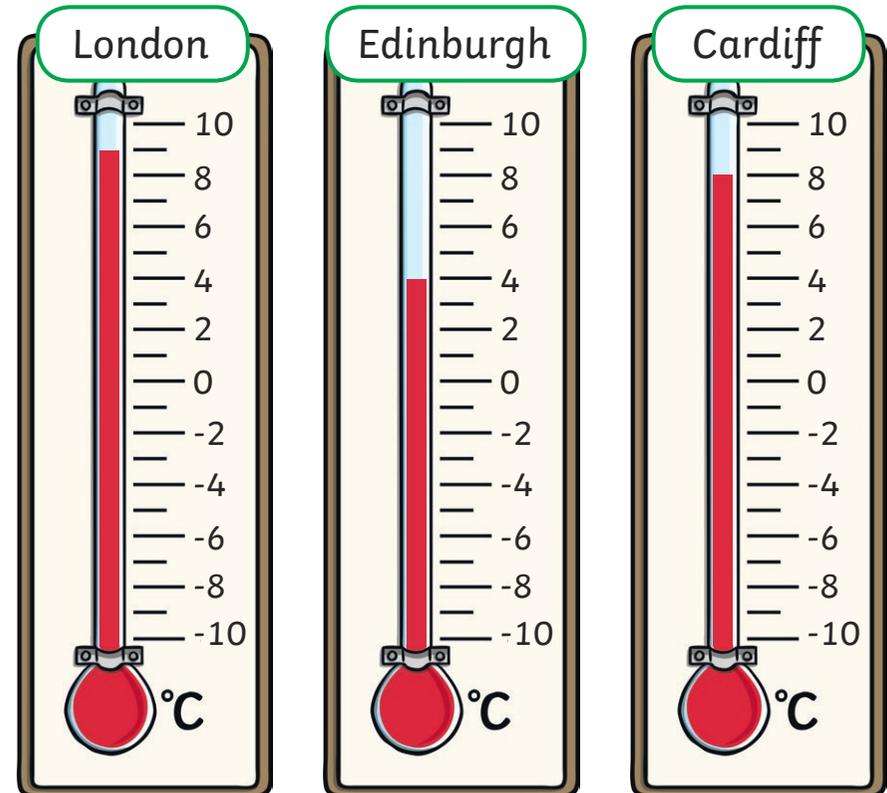
What could the temperature in Belfast be? Is there more than one possible answer?

In which month might you expect temperatures like these? Can you explain why you think that?

Temperature



These thermometers show the temperature at different weather stations around the UK.



How many more degrees warmer is London than Cardiff?

Belfast is warmer than Edinburgh but cooler than London. What could the temperature be in Belfast?

Which month do you think these temperatures might have been measured in? Why?