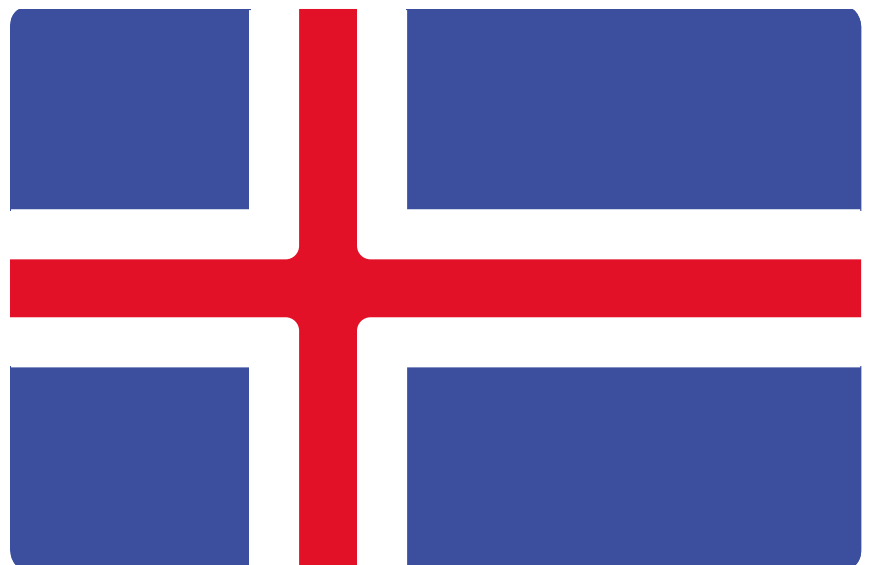# Holiday in Iceland

If you were planning a holiday to Iceland, you might be interested in what temperature to expect. A good time to go could be August.

Temperatures have been measured each month on the 1st of the month at 6am and here is what was recorded:

- In January the temperature was - 6 °C
- In February the temperature fell by 2 °C
- In March the temperature rose by 7 °C
- In April the temperature rose by 5 °C
- In May the temperature fell by 0.5 °C
- In June the temperature rose by 4 °C
- In July the temperature rose by 1.75 °C
- In August the temperature rose by 2 °C
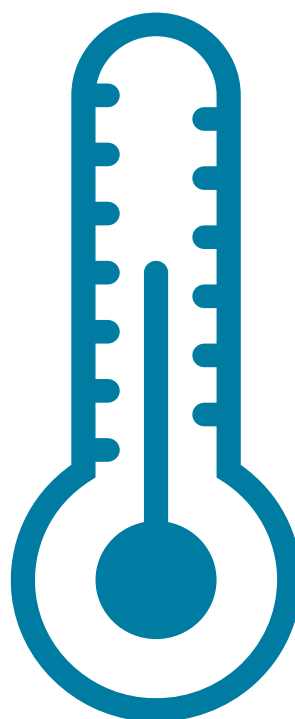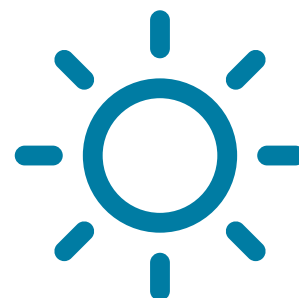
What was the temperature in August?

Would you like to go then? How much colder or warmer is it than where you live today?

Look at some world temperatures and find the coldest and the hottest today – which would you prefer? Where would a polar bear prefer? Or a giraffe?

In winter in the UK, most people heat their homes - do you know what temperature your home is usually?

Helpful hints: Use either the world temperatures in a newspaper or look them up online; talk about what happens in very cold climates or very hot climates.

Family comments:

Child comments:

Curriculum Link

Interpret negative numbers in context, count forwards and backwards with positive and negative numbers including through zero.

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Painting a wall

Maciez was helping his parents paint their living room. He found that $\frac{1}{5}$ of a can of paint covered 2.5 square metres of wall.

How much wall would one whole can cover?

Estimate how many cans of the same paint you would need to paint your bedroom walls.

Maciez noticed that the ceiling needed white paint and $\frac{1}{3}$ of a can covered 3.5 square metres. How much ceiling would the whole can cover?

How many cans would be needed to cover your bedroom ceiling?

Family comments:

Child comments:

Curriculum Link

Using fractions to solve problems which involve calculating and comparing the area of rectangles (including squares) using standard units of squared metres.

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Theme park rides

Some theme parks are so big that buses run to take visitors to the different rides. Here is a timetable for three buses:
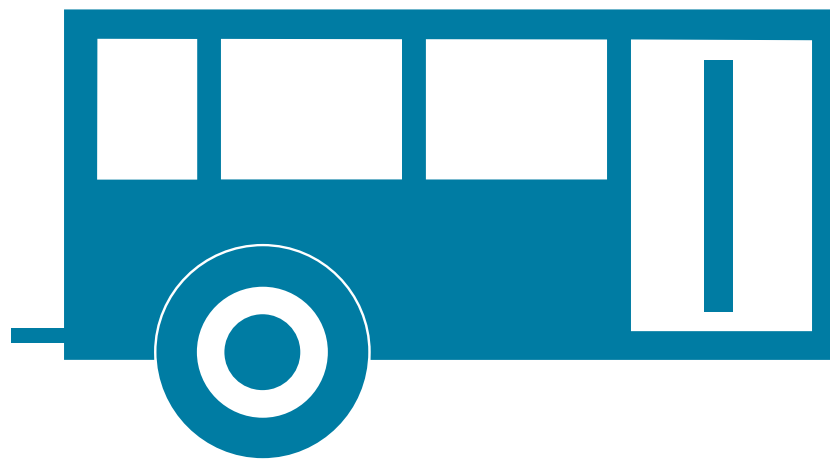
Ride	Yellow bus	Red bus	Blue bus
Haunted house	9.30	10.30	13.30
Space ride	9.40	10.40	13.40
Rollercoaster	10.00	-	14.00
Water ride	10.20	11.20	14.20
Carousel	10.30	11.30	-
Safari ride	10.35	11.35	14.35
Railroad	10.50	-	14.50
Jungle adventure	11.10	12.00	15.10
Fairytale flight	11.20	12.20	-
Pirate ship	11.35	-	15.35
Ocean submarine	11.50	12.50	15.50

1. If you had a ticket for the Water ride at 11.25,
which bus would be best to catch?

2. What time does the blue bus arrive at Railroad?

3. How long does it take to get from the Space ride
to the Ocean Submarine on the blue bus?

4. If you wanted to go on the Railroad and the Fairytale
flight, which bus would you need?

5. If you got out of bed late at 10.00, which bus could you
catch from the Haunted House to go on the Safari ride?

Can you make up two more rides and fill in the blank times on
the table?

Can you make up two more questions which involve your
times?

Helpful hints: It would be useful to reinforce this activity
by looking at a real timetable if possible (bus, train etc).

Family comments:

Child comments:

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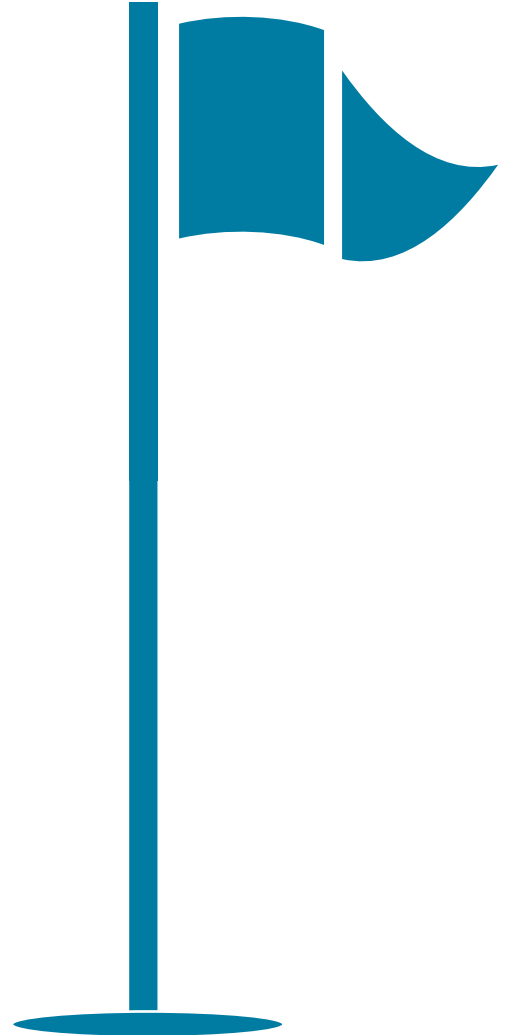# Golf balls

The diameter of a golf ball is 4 cm. Sally's dad wants to make a box which will hold 6 golf balls.

What size (length and width) could the box be?

Is there more than one answer?

Family comments:

Child comments:

Curriculum Link

Measure and calculate the perimeter of shapes in centimetres.

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