Unit 14: Statistics, Lesson 3

This line graph shows the temperature inside Emily’s house on Tuesday.



**Think together**

**Temperature inside**

28



26

Temperature in °C

24

22

20

18

16

14

12

0

9 am

1. am
2. am
3. pm Time of day

1 pm

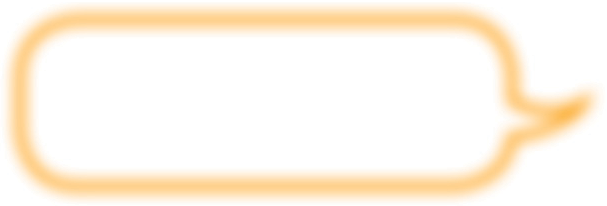
1. pm
2. pm
   1. What was the temperature at 11 am? 24 degrees



**1**

* 1. What was the temperature at 1 pm? 25 degrees
  2. What was the temperature at 2:30 pm? 25 degrees
  3. At what time was it the warmest inside Emily’s house? 2 pm
  4. At what time was the temperature 21 °C? 11.30 pm

For how long is the temperature above 24 °C in Emily’s house?



I am going to start by going across from the temperature on the vertical axis

I am going to start by going

across from the temperature

on the vertical axis.



**2**

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**3** The temperature in a small town was measured on the first day of October and the first of December.

The results are shown on the line graph below.

**Temperature**

20

18

16 October

14

Temperature in °C

12

10

8 December

6

4

2

0

8 am

9 am 10 am 11 am 12 pm 1 pm 2 pm

Time of day

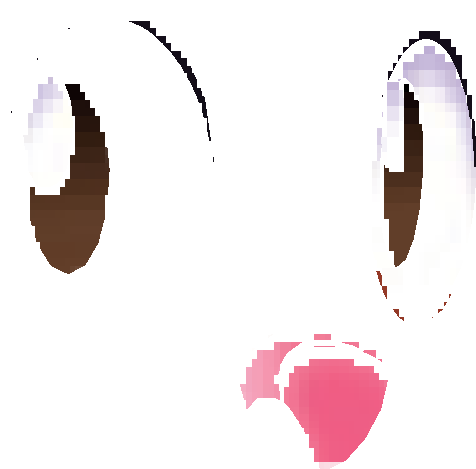
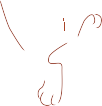
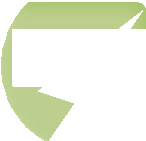
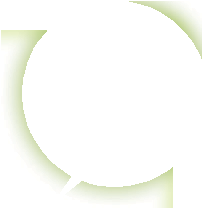
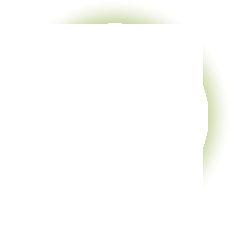
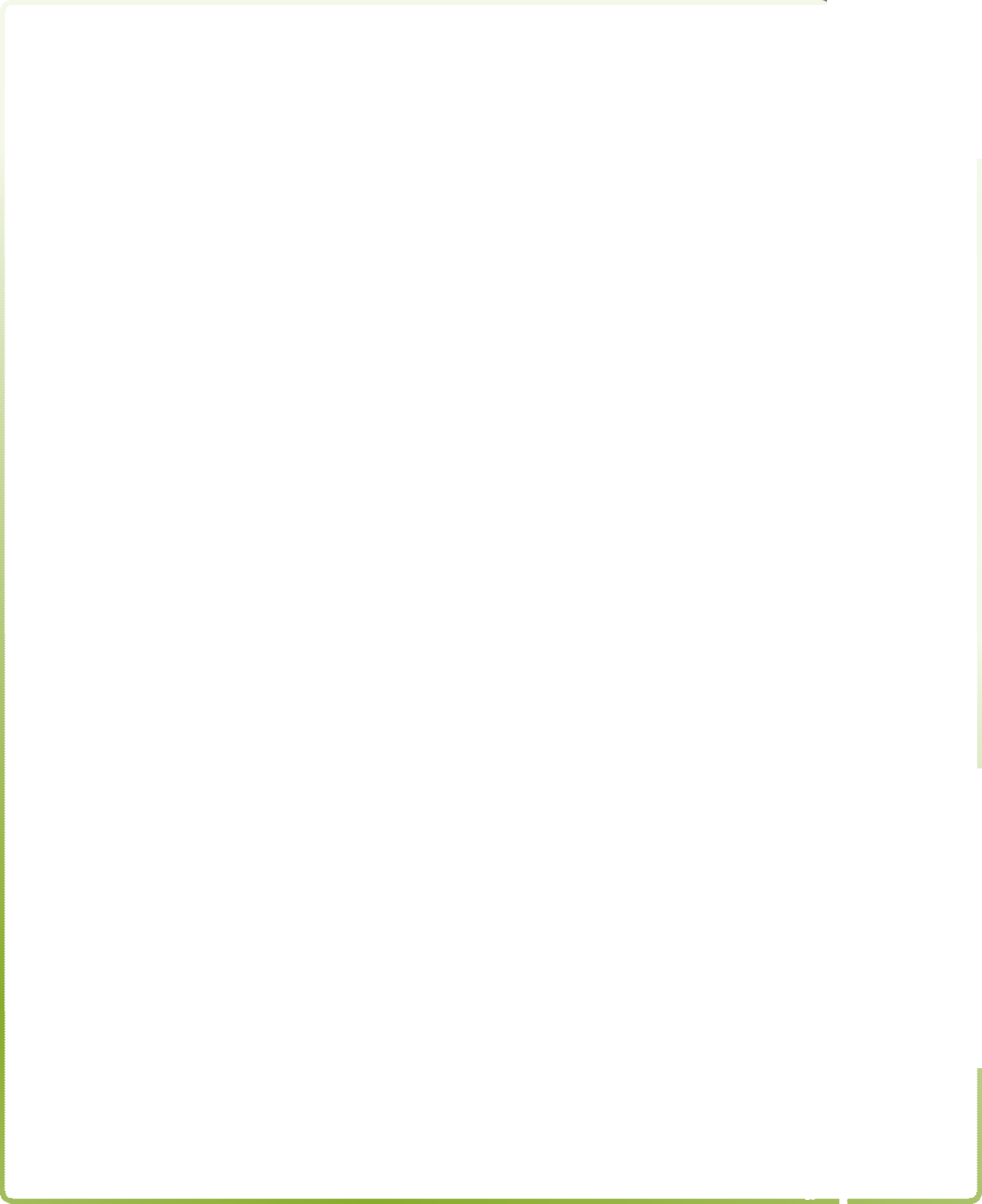
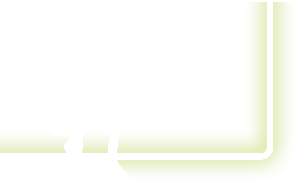
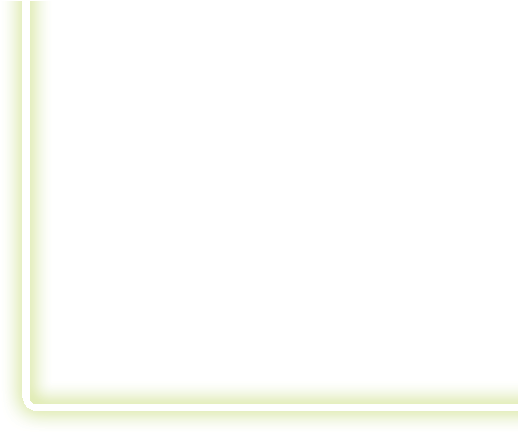
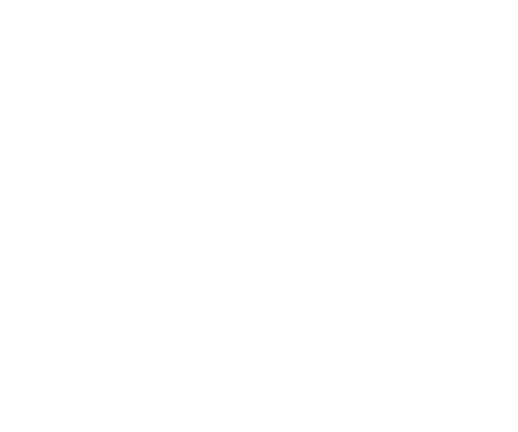
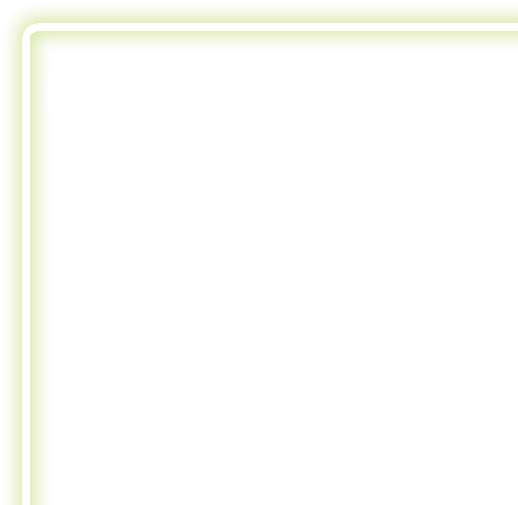
1. What was the temperature at midday on 1 December? 10 degrees
2. What is the difference in the temperature at 2 pm on 1 December and 2 pm on

1 October? 2 degrees colder

1. What is the same and what is different about the temperature on 1 October and 1 December?



Line graphs can show more than one set of data. Each set of data has its own line.



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³ **Practice book 4C p81**

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