

Name:



Maths Assessment Year 5: Statistics

1. Solve comparison, sum and difference problems using information presented in a line graph.
2. Complete, read and interpret information in tables, including timetables.

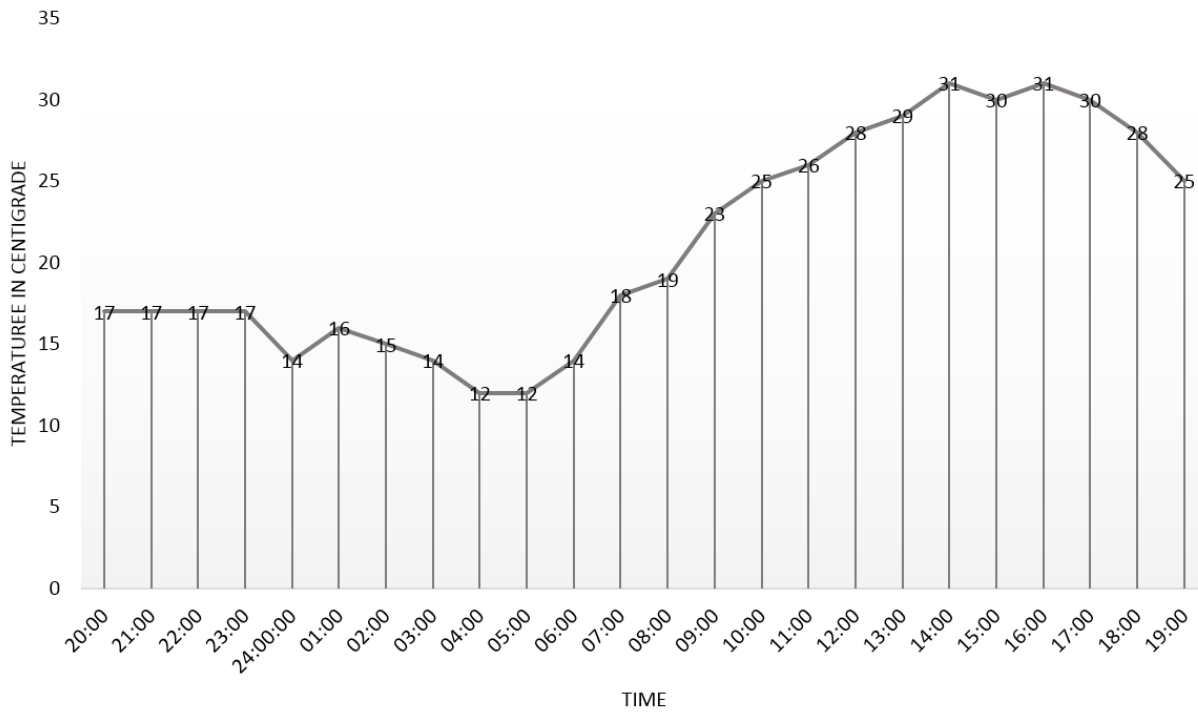
Name:

Date:

Maths Assessment Year 5: Statistics

1. Solve comparison, sum and difference problems using information presented in a line graph.

Here is a line graph of temperatures in Canberra, Australia across 24 hours:



Answer these questions about the graph:

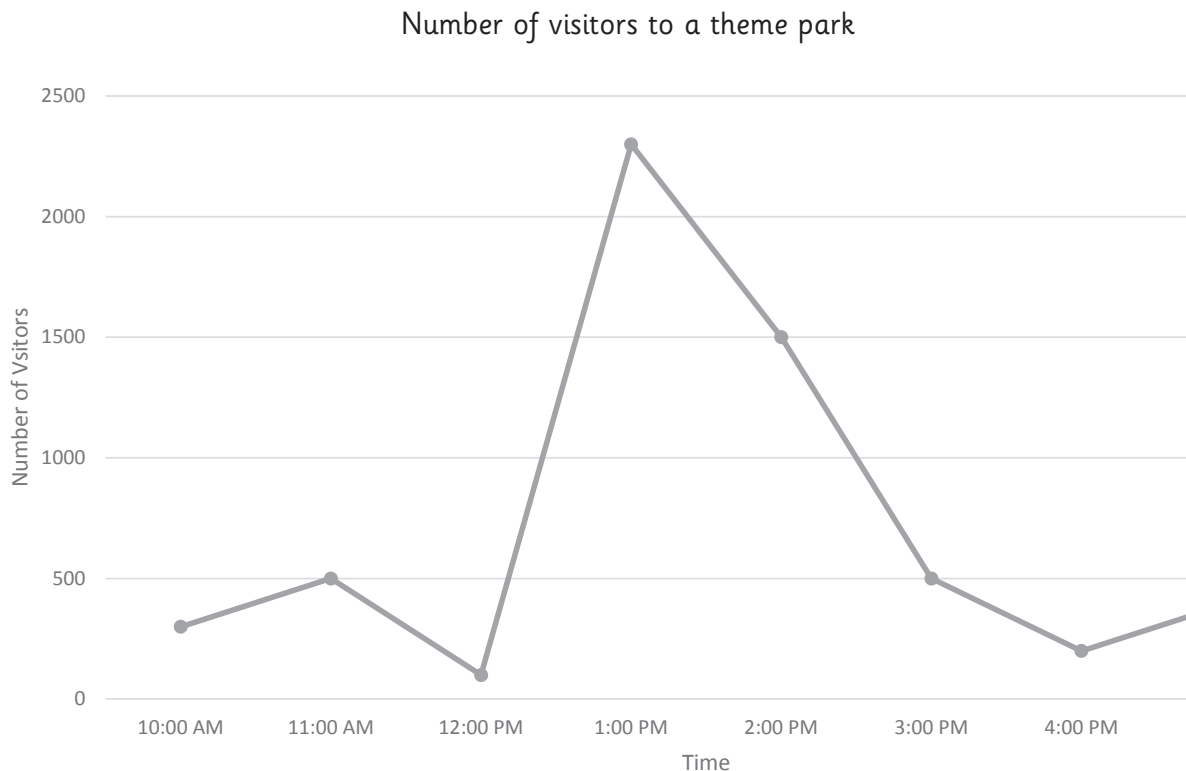
a) What is the difference between the highest and lowest temperature?

b) If the temperature rose steadily, estimate what the temperature would be at 06:30.

c) How many degrees warmer was it at 13:00 than at 01:00?

3 marks

Here is a line graph showing the number of visitors to a theme park, rounded to the nearest 100:



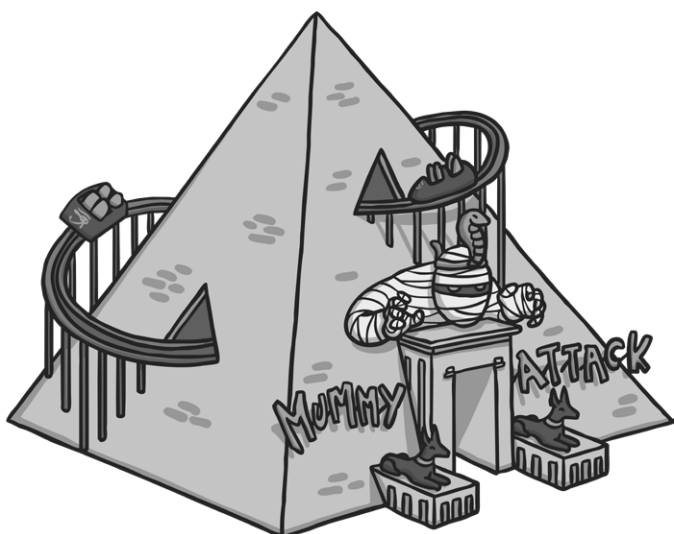
Answer these questions about the graph:

d) Approximately how many visitors were at the theme park at 4pm?

e) How many more people were at the theme park at 2pm than 11am?

f) At what time were there approximately 200 visitors?

3 marks



2. Complete, read and interpret information in tables, including timetables.

Here is a table to show Year 5's favourite flavour of ice cream:

a) Using the information in the table, fill in the missing boxes.

	Boys	Girls	Total
Vanilla	2		11
Strawberry	10	7	
Chocolate	4	2	
Mint		9	
Toffee	4		
Total	22	28	50

Here is a Year 5's timetable:

	9:10 – 10:25	10:40 – 11:40	11:40 – 12:15	1:15 – 2:00	2:00 – 3:00
Monday	Maths	Literacy	Assembly	French	Science
Tuesday	Maths	Literacy	Reading	PE	Topic
Wednesday	IT	Literacy	Reading	Maths	Topic
Thursday	Maths	Literacy	Reading	Music	Topic
Friday	Maths	PE	Assembly	Literacy	Science

b) How long is spent across the week on Maths? Show your working out.

3 marks

2 marks

Total for this page

- c) Suraj had a dental appointment on Friday and came back to class at 1:25. How long of the Literacy lesson did he have left?

1 mark

Here is the medal tables for the end of the Commonwealth Games:

	Men			Women			Mixed		
	Gold	Silver	Bronze	Gold	Silver	Bronze	Gold	Silver	Bronze
England	30	26	30	23	29	24	5	4	3
Australia	22	23	20	26	19	23	1	0	3
Canada	13	4	11	19	10	23	0	2	0

- d) How many more medals in total did England's men get than Canada's men?

1 mark

- e) Score 3 points for Gold, 2 for Silver and 1 for Bronze. How many points in total would Australia's women team score? Show your working out.

2 marks

Total for this page

question	answer	marks	notes																												
1. Solve comparison, sum and difference problems using information presented in a line graph.																															
a	19° C	1																													
b	16° C	1																													
c	13° C	1																													
d	200	1																													
e	1,000	1																													
f	4pm	1																													
2. Complete, read and interpret information in tables, including timetables.																															
a	<table border="1"> <thead> <tr> <th></th><th>Boys</th><th>Girls</th><th>Total</th></tr> </thead> <tbody> <tr> <td>Vanilla</td><td>2</td><td>9</td><td>11</td></tr> <tr> <td>Strawberry</td><td>10</td><td>7</td><td>17</td></tr> <tr> <td>Chocolate</td><td>4</td><td>2</td><td>6</td></tr> <tr> <td>Mint</td><td>2</td><td>9</td><td>11</td></tr> <tr> <td>Toffee</td><td>4</td><td>1</td><td>5</td></tr> <tr> <td>Total</td><td>22</td><td>28</td><td>50</td></tr> </tbody> </table>		Boys	Girls	Total	Vanilla	2	9	11	Strawberry	10	7	17	Chocolate	4	2	6	Mint	2	9	11	Toffee	4	1	5	Total	22	28	50	3	All correct and no errors: 3 marks 1 incorrect answer: 2 marks 2 incorrect answers: 1 mark
	Boys	Girls	Total																												
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Total	22	28	50																												
b	5 hours 45 minutes or 345 minutes	2	Score 2 marks for a correct answer. Award 1 mark for an incorrect answer but demonstration of a correct method.																												
c	35 minutes	1																													
d	58	1																													
e	139	2	Score 2 marks for a correct answer. Award 1 mark for an incorrect answer but demonstration of a correct method.																												
		Total 15																													