

Name: \_\_\_\_\_

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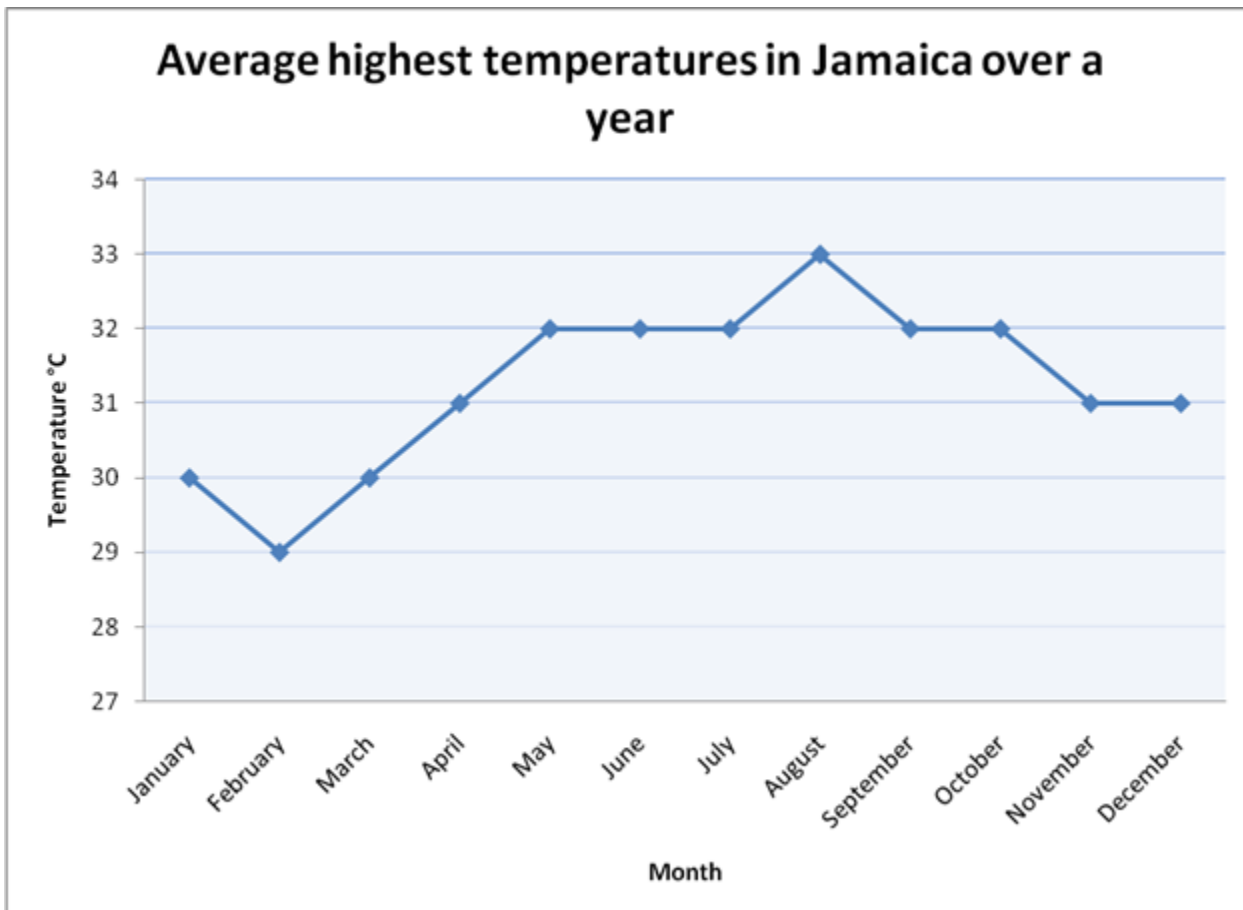
### Graphing / Data Analysis Test

#### The top eight winners of the English FA cup final - 1871 to 2005

Position	Football club	Wins
1st	Manchester United	11
2nd	Arsenal	10
3rd	Tottenham Hotspur	8
4th	Aston Villa	7
5th	Blackburn Rovers	6
5th	Liverpool	6
5th	Newcastle United	6
6th	Everton	5

1. How many cup wins did Newcastle United have between 1871 and 2005?
2. Which football club is in 4th position for this period?
3. How many clubs share 5th position?

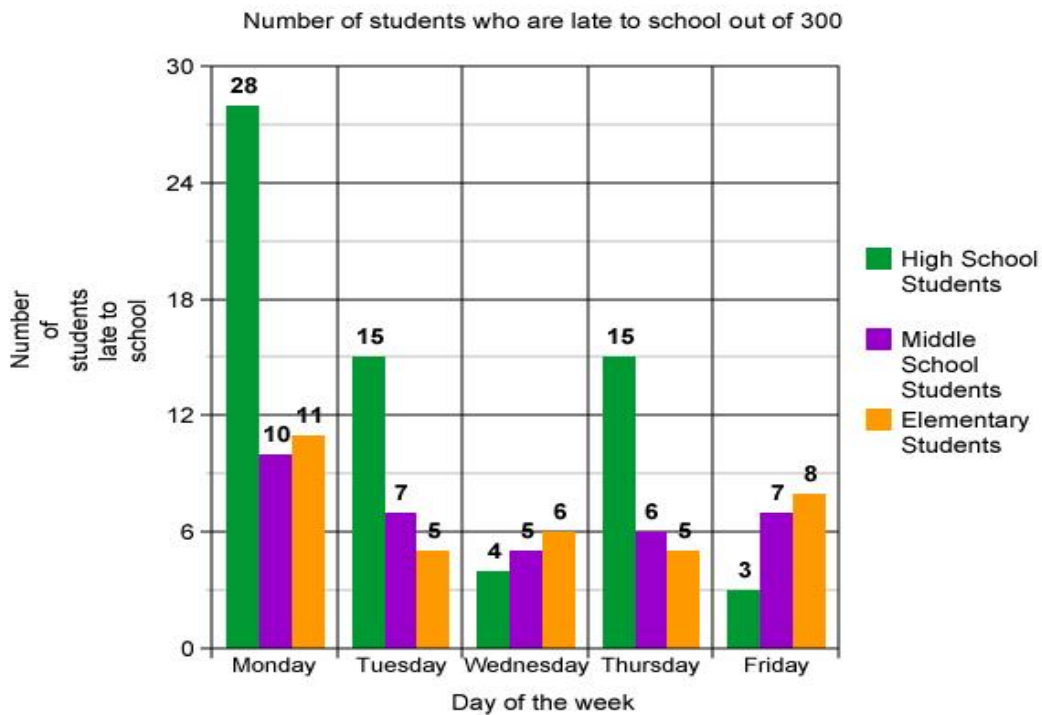
The **line graph** shows temperatures over the year in Jamaica.



Use the graph to answer the questions below.

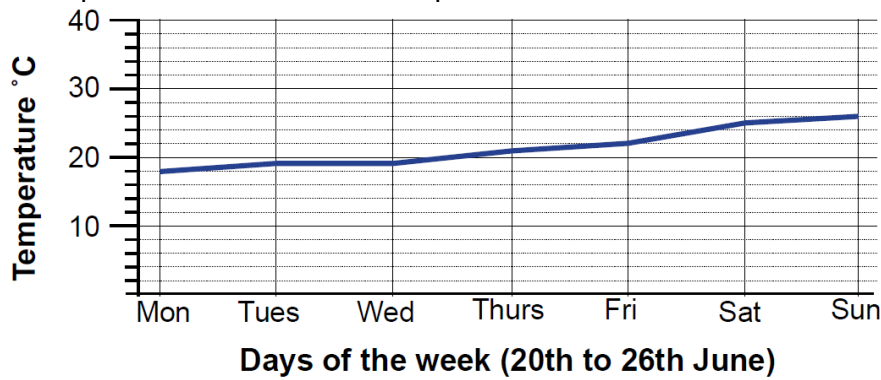
1. Which month had the highest temperature?
2. Which month had the lowest temperature?
3. What is the difference in temperature between February and May?
4. How many months have a temperature higher than 30°C?
5. What is the range of temperatures in Jamaica over the year?

Look at the bar chart below and answer the questions.



1. On two days the same number of high school students are late. Which days are these?
2. How many middle school students are late on Friday?
3. On which day are the most students late?
4. How many elementary students are late on Wednesday?
5. How many more students (total) were late on Monday than on Tuesday?

Use the temperature chart to answer questions 1 to 4.

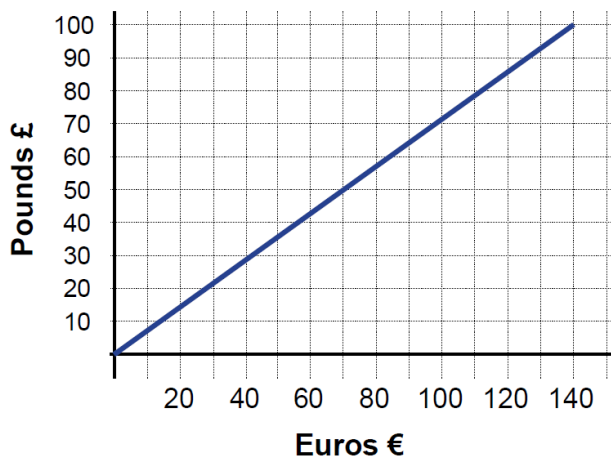


Temperatures (in celsius) from 20th to 26th June

1. Which day was the warmest?
2. Which was the coldest?
3. What was the temperature on Saturday?
4. When was the biggest change in temperature?

Use this currency conversion chart to answer questions 5 to 8.

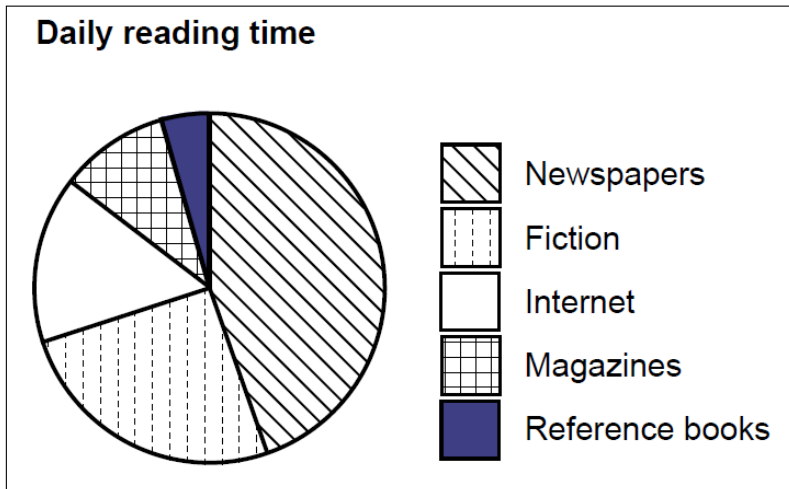
The chart shows pounds (£) and euros (€)



Currency conversion chart

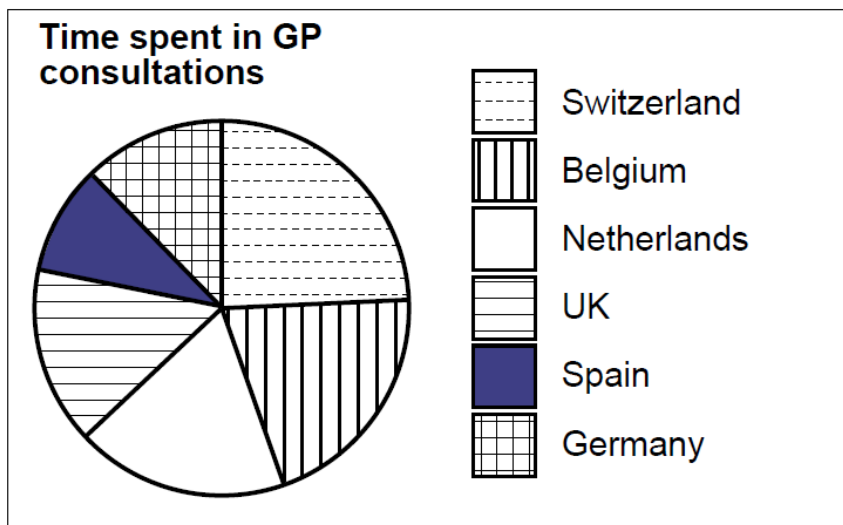
5. About how many euros will I get for these amounts: £25, £50, £70, £100?
6. About how many pounds will I get for these amounts: €25, €50, €70, €100?
7. I exchanged £100 into euros. On my holiday I spent €110 altogether. When I got home I exchanged the money left over back into pounds. Using the conversion chart about how much money did I get back?

This pie chart shows time spent reading each day. Use it to answer questions 1-3.



1. Are people more likely to read fiction or a magazine?
2. Which two types of reading are more popular than the internet?
3. What type of reading takes the smallest amount of time per day?

This pie chart shows time spent with doctors. Use it to answer questions 4-7.



4. Which two countries give their patients the most time?
5. Which two countries give their patients the least time?
6. How is the UK sector shown?
7. Which country gives their patients about the same amount of time as the UK?

**2003 Tour de France results after stage one.**

	<b>Name</b>	<b>Country</b>	<b>Time</b>
<b>1</b>	Bradley McGee	Australia	3:51:55
<b>2</b>	David Millar	Scotland	3:51:59
<b>3</b>	Haimar Zubeldia	Spain	3:52:01
<b>4</b>	Jan Ullrich	Germany	3:52:02
<b>5</b>	Victor Hugo Pena	Columbia	3:52:05
<b>6</b>	Tyler Hamilton	United States of America	3:52:05
<b>7</b>	Andy Flickinger	France	3:52:05
<b>8</b>	Lance Armstrong	United States of America	3:52:06

1. How many cyclists were from the USA?
2. State the slowest time recorded.
3. Who was in the lead for this part of the race?

For all of the graphs below, make sure you title the graph, label both the x and y axis, make the scale as large as possible so it fills the page, make a key if necessary, color it if it is a pie chart. Use one graph paper per graph, do not use the back.

Graph A: Use the following data, gained by surveying a group of 100 seniors to determine their favorite type of movie, to make a pie graph.

<b>Comedy</b>	<b>Action</b>	<b>Romance</b>	<b>Drama</b>	<b>SciFi</b>	<b>TOTAL</b>
20	25	30	5	20	<b>100</b>

Graph B: Use the following data to make a bar graph.

**Tourist buses**

<b>Month</b>	<b>Number of buses</b>
January	75
February	30
March	35
April	55
May	40
June	50
July	65
August	40
September	50
October	55
November	30
December	60

Graph C: Use the following data to make a line graph. The graph will have four lines on it. Make each line a different color and use a key to indicate which district each color represents.

10th Grade State Math (% Met the Standard)				
District	2007	2008	2009	2010
Seattle	50.2	50.4	48.9	45.3
Tacoma	36.1	32.2	30.9	28.3
Spokane	48.1	52.6	56.1	59.8
Kent	56.9	52.9	47.3	47.7
Lake Washington	75.4	72.4	69.2	66

Graph D: Make a line graph with the following data, then draw a line of best fit through the points.

HOURS STUDIED	SCORE ON EXAM
0.5	65
2.5	80
3.0	77
1.5	60
1.25	68
0.75	70
4.0	83
2.25	85
1.5	70
6.0	96
3.25	84
2.5	84
0.0	51
1.75	63
2.0	71