

# Statistics Post-Test

## Juniors

### Time Series

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

#### Problem

I wonder if there are any patterns in the temperatures in Auckland?

## Plan

We will collect data over 3 years and record the maximum temperature in Auckland every 3 months.

## Data

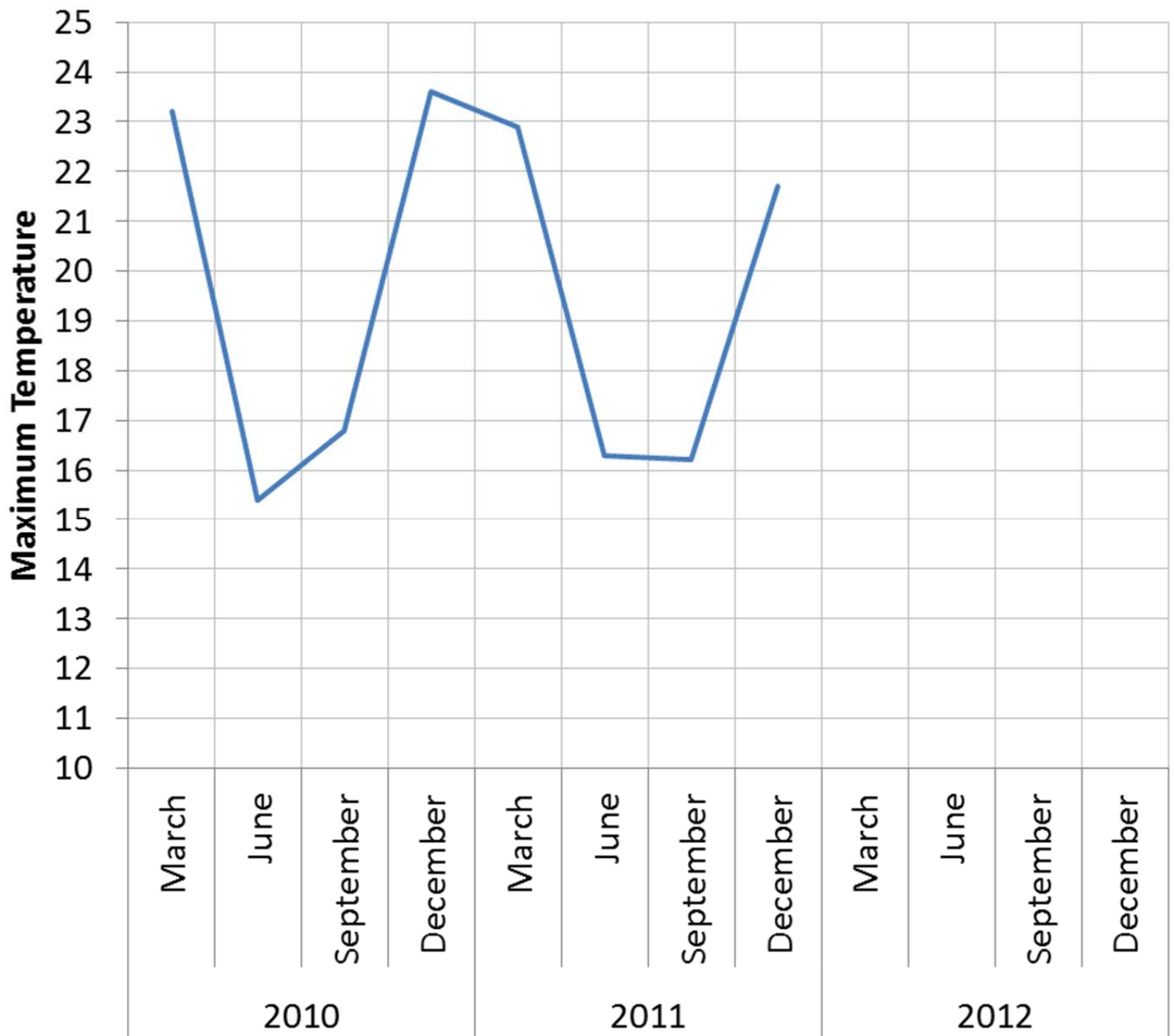
Year	Month	Maximum Temperature
2010	March	23.2
	June	15.4
	September	16.8
	December	23.6
2011	March	22.9
	June	16.3
	September	16.2
	December	21.7
2012	March	21.4
	June	15.3
	September	16.6
	December	22.3

## Analysis

The line graph below shows our data for 2010 - 2011.

Add 2012 data onto the graph.

Then draw a trend line through the data.



## Analysis

Describe the trend and seasonality. Justify your description.

[illegible]

## Conclusion

Answer the investigation question.

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What does this data suggest about the maximum temperature in Auckland, and the maximum temperature in New Zealand.

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