Lesson 3 Assessment
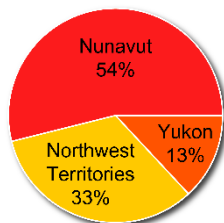## Analyzing and Critiquing Given Data

Analyzing and Critiquing Given Data

Analyzes and interprets a given graph	Identifies the misrepresentation in a graph	Corrects the misrepresentation in the graph	Constructs a graph to misrepresent data, and explains the misrepresentation

Analyzes and interprets a given graph

Areas of Canadian Territories

Nunavut 54%
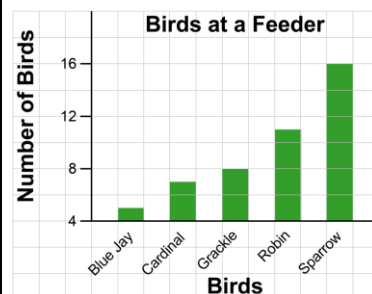Yukon 13%
Northwest Territories 33%

The Northwest Territories is about one-third of the total area of the territories.
Nunavut is a bit more than one-half of the total area of the territories.

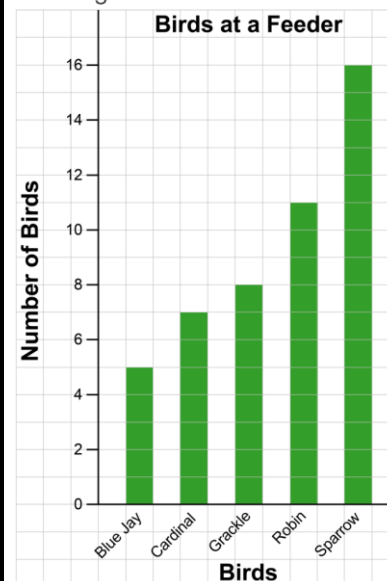**Identifies the misrepresentation in a graph**

Birds at a Feeder

Blue Jay	5
Cardinal	7
Grackle	8
Robin	11
Sparrow	16

There are twice as many sparrows as grackles, but the graph appears to show that there are three times as many sparrows as grackles.

Corrects the misrepresentation in the graph
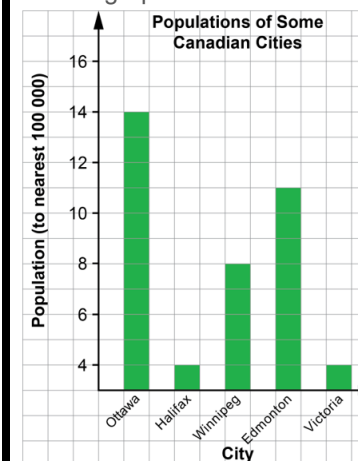
Redraw the graph so the vertical axis begins at 0.

Constructs a graph to misrepresent data, and explains the misrepresentation

Populations of some Canadian cities, to the nearest 100 000

Ottawa	1 400 000
Halifax	400 000
Winnipeg	800 000
Edmonton	1 100 000
Victoria	400 000

I drew a bar graph with the vertical axis beginning at 300 000.
It shows that the population of Winnipeg is 5 times the population of Halifax, instead of 2 times.

Biased graph

Lesson 3 Assessment
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Observations/Documentation			