Task Title: Interpret a Pie Graph

OALCF Cover Sheet – Practitioner Copy

Learner Name: _____

Date Started: _____

Date Completed: _____

Successful Completion: Yes ☐   No ☐

Goal Path: Employment ☐   Apprenticeship ☐

Secondary School ☐   Post Secondary ☐   Independence ☐

Task Description: Identify the results of an election by examining a pie graph.

Main Competency/Task Group/Level Indicator:

- Understand and Use Numbers/Manage data/C4.2
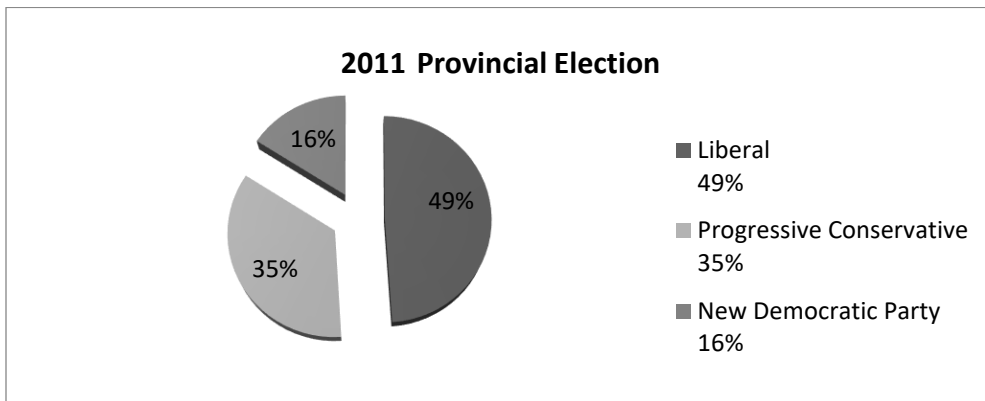
Materials Required:

- Pen/pencil and paper and/or digital device
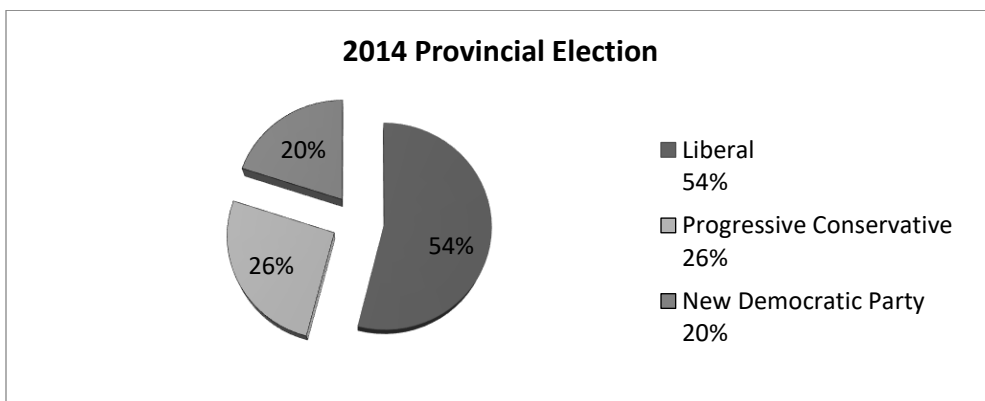
Learner Information

Election results are frequently presented in a pie chart (graph) because they can be quickly compared to one another.

Scan the "2011 Ontario Election Results from Elections Ontario" and the "2014 Ontario Election Results from Elections Ontario".

2011 Ontario Election Results from Elections Ontario

2011 Provincial Election

- Liberal 49%
- Progressive Conservative 35%
- New Democratic Party 16%

2014 Ontario Election Results from Elections Ontario

2014 Provincial Election

- Liberal 54%
- Progressive Conservative 26%
- New Democratic Party 20%

Work Sheet

Task 1: For each pie graph, rank the results from largest to smallest.

Answer:

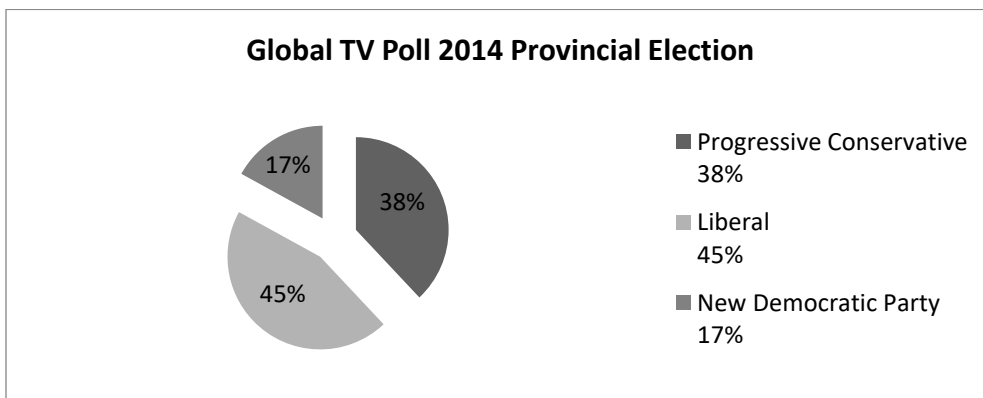| **2011 Election Results**	**2014 Election Results**
1.	**1.**
2.	**2.**
3.	**3.**

_____

Task 2: Calculate the difference in percentage from 2011 to 2014 for each party and indicate if it was an increase or decrease.

 Answer:

_____

Task 3: Many people in Toronto were questioned prior to the election and asked their opinion by Global TV, Toronto (www.globaltv.com).

Look at the results of the "Global TV Poll 2014 Provincial Election"

Global TV Poll 2014 Provincial Election

17%
38%
45%

■ Progressive Conservative
   38%

■ Liberal
   45%

■ New Democratic Party
   17%

Compare the Global TV Poll results with the actual 2014 provincial election results. Calculate the difference in results between the two graphs for each of the three major political parties.

Answer:

_____

Task 4: Which party or parties had better results in the 2014 election than indicated by the Global TV poll?

Answer:

_____

Answers

Task 1: For each pie graph, rank the results from largest to smallest.

Answer:

2011 Election Results

1. 49% LIB

2. 35% PC

3. 16% NDP

2014 Election Results

1. 54% LIB

2. 26% PC

3. 20% NDP

Task 2: Calculate the difference in percentage from 2011 to 2014 for each party and indicate if it was an increase or decrease.

Answer:

- LIB – 49% to 54% **=** increase of 5%

- PC – 35% to 26% = decrease of 9%

- NDP – 16% to 20% = increase of 4%

Task 3: Many people in Toronto were questioned prior to the election and asked their opinion by Global TV, Toronto (www.globaltv.com).

Look at the results of the "Global TV Poll 2014 Provincial Election"

Compare the Global TV Poll results with the actual 2014 provincial election results. Calculate the difference in results between the two graphs for each of the three major political parties.

Answer:

- LIB - difference of 9%
- PC - difference of 12%
- NDP - difference of 3%

Task 4: Which party or parties had better results in the 2014 election than indicated by the Global TV poll?

Answer: Liberals and NDP

Performance Descriptors

Levels	Performance Descriptors	Needs Work	Completes task with support from practitioner	Completes task independently
C4.2	calculates using numbers expressed as whole numbers, fractions, decimals, percentages and integers			
	recognizes patterns and begins to identify trends in data (e.g. population, crime, demographic, inventory, injury)			
	interprets rates (e.g. crime rates) and ratios (e.g. shots-on-net to goals)			

This task: Was successfully completed ☐   Needs to be tried again ☐

Learner Comments:

Instructor (print):   Learner (print):

_____   _____

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