

Task Title: Interpret a Pie Graph

# OALCF Cover Sheet – Practitioner Copy

**Learner Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Started: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date Completed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| --- | --- | --- |
| **Goal Path:** | Employment | Apprenticeship |
| Secondary School | Post Secondary | Independence |

**Successful Completion:**  Yes No

**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**

**2014 Ontario Election Results from Elections Ontario**

# 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.**

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

Answer:

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

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

Answer:

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# Answers

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

Answer:

**2011 Election Results 2014 Election Results**

1. 49% LIB **1.** 54% LIB
2. 35% PC **2.** 26% PC
3. 16% NDP **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**](http://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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