

# Grade 5 Mathematics

Week of January 4 – January 8

## Lesson 4.1 – Graph Types Lesson 4.2 – Investigating Bar Graphs

### Lesson Materials


- Lessons for Section [4.1 Graph Types](#)
- Lessons for Section [4.2 Investigating Bar Graphs](#)
- Unit 4 Learning Guide (This PDF)

Use the link above to open the lessons for this section. Remember: on the lesson page, use the arrow next to the “Table of Contents” at the **top of the page** to move through the lessons. You can also click on the Table of Contents to open the menu so you can jump to a specific lesson page.

[G4T](#) > [Modules](#) > [Mathematics](#) > 1.1 Place Value

Home WCLN.ca Introduction to Numbers Table of Contents ↗

Numbers are all around us. They serve very different purposes depending on how they are used. A number is a mathematical object used to count, measure or label.

Count	Measure	Label
–	centimeter    decimeter	

Work through the online lessons. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

### Suggested Lesson Schedule

<p><b>Monday</b></p> <ul style="list-style-type: none"><li>• Why Graphs</li><li>• Line Graphs</li><li>• Scatterplots</li></ul> <p><b>Tuesday</b></p> <ul style="list-style-type: none"><li>• Pie Graphs</li><li>• Bar Graphs</li><li>• More Bar Graphs</li></ul> <p><b>Wednesday</b></p> <ul style="list-style-type: none"><li>• Pictographs</li><li>• Misleading Graphs</li><li>• LG 4.1, p. 1-2, #1-2</li></ul>	<p><b>Thursday</b></p> <ul style="list-style-type: none"><li>• What is a bar graph?</li><li>• Examining the graph</li><li>• Reading the graph</li><li>• LG 4.2, p. 3-4, #1-2</li></ul> <p><b>Friday</b></p> <ul style="list-style-type: none"><li>• Organizing data</li><li>• Drawing a bar graph</li><li>• Scale on a bar graph</li><li>• Titles for your graph</li><li>• Labels</li><li>• LG 4.2, p. 5-7, #3-6</li></ul>
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Name: \_\_\_\_\_

# UNIT 4 LEARNING GUIDE – GRAPHING & TABLES

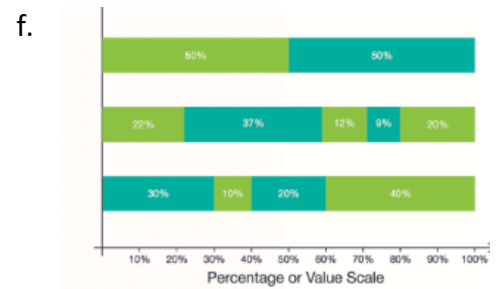
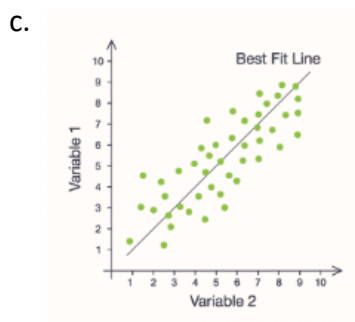
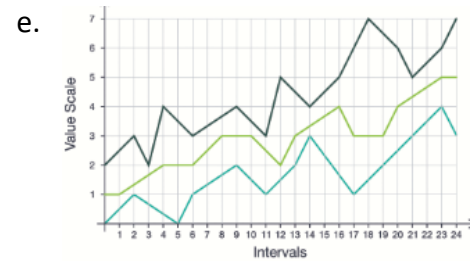
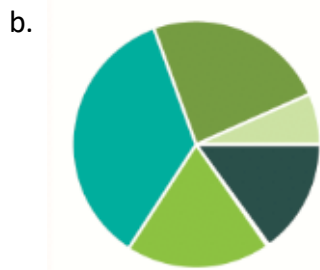
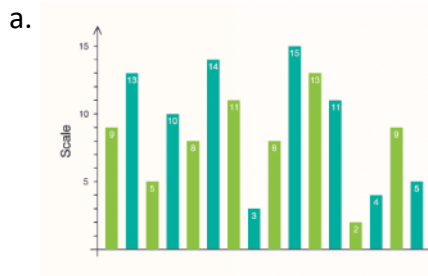
## INSTRUCTIONS:

Using a pencil, complete the following questions as you work through the related lessons. Show ALL of your work as is explained in the lessons. Do your best and always ask questions if there is anything that you don't understand.

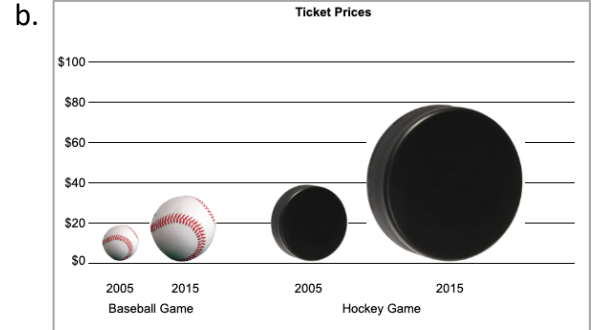
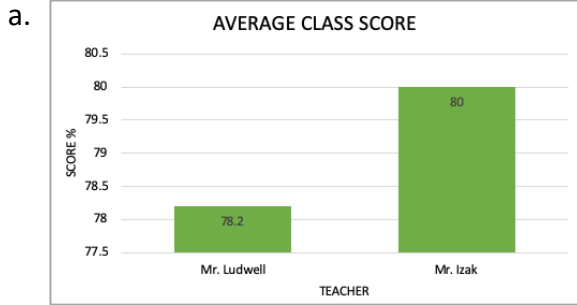
### 4.1 GRAPH TYPES

1. Identify the graphs using the following labels:

**Line Graph   Scatterplot   Pie Chart   Bar Graph   Stacked Bar Graph   Pictograph**



2. Analyze the following graphs to determine why they are misleading.



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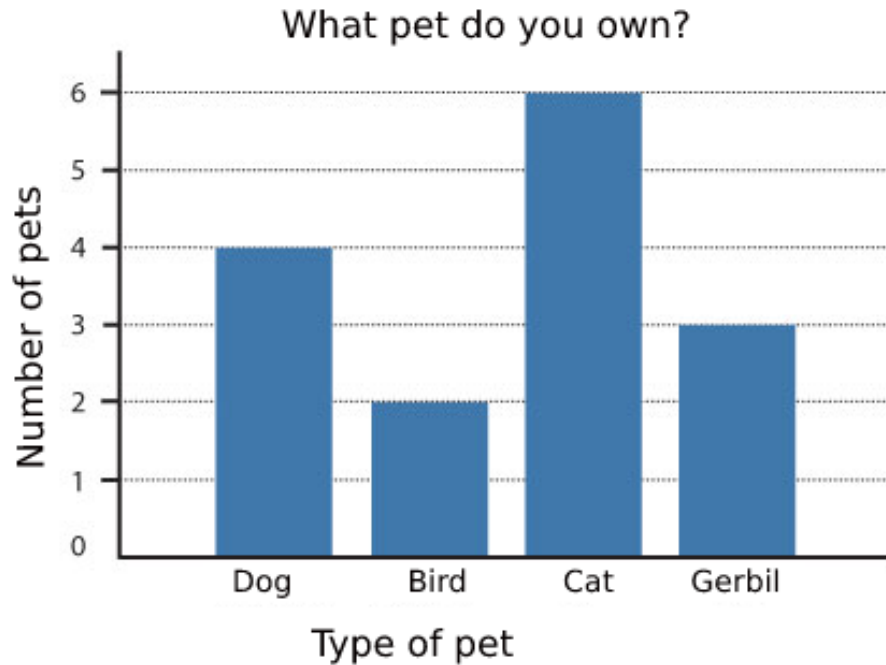
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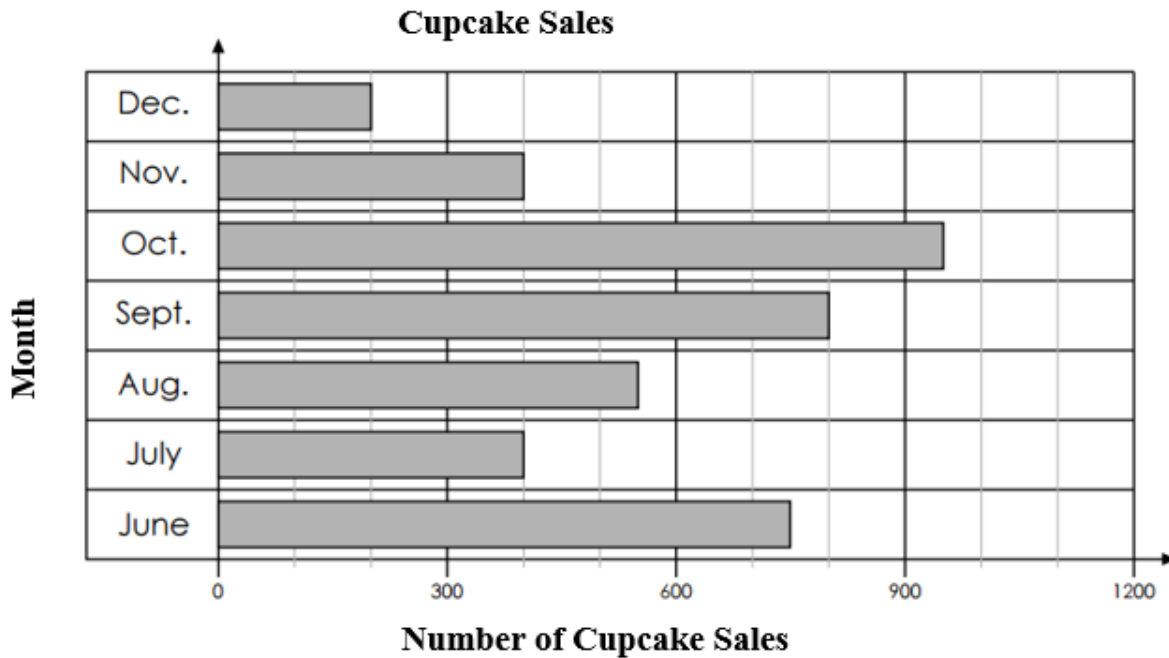
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## 4.2 INVESTIGATING BAR GRAPHS



1. Examine the graph shown.
  - a) What is the title of the graph?
  - b) What is the range of values on the scale?
  - c) How many categories are there?
  - d) Which pet is the most popular?
  - e) Which pet is the least popular?
  - f) How many dogs are owned?
  - g) List the categories in the graph from greatest to least.

2. A cupcake store was tracking their sales for the year to determine when to order supplies and hire more staff. Examine the graph below. Answer the questions about the information provided in the graph.



- a. How many cupcakes were sold in October?
- b. How many more cupcakes were sold in November than December?  
Show your work.
- c. Were more cupcakes sold in October, November, and December than in July, August, and September? Show your work.
- d. In April, the store sold 100 fewer cupcakes than they did in June. How many cupcakes did they sell in April?

3. Write the number shown by the tally marks in each question.

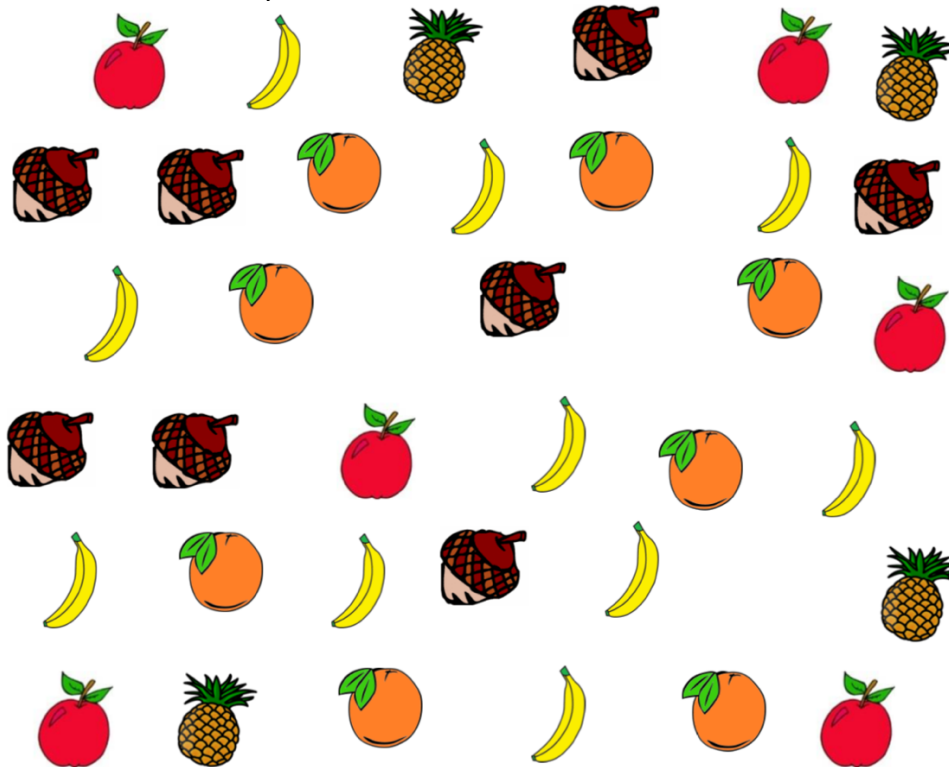
a) \_\_\_\_\_



b) \_\_\_\_\_




c) \_\_\_\_\_

d) \_\_\_\_\_

4. Fill in the tally chart for this set of data.

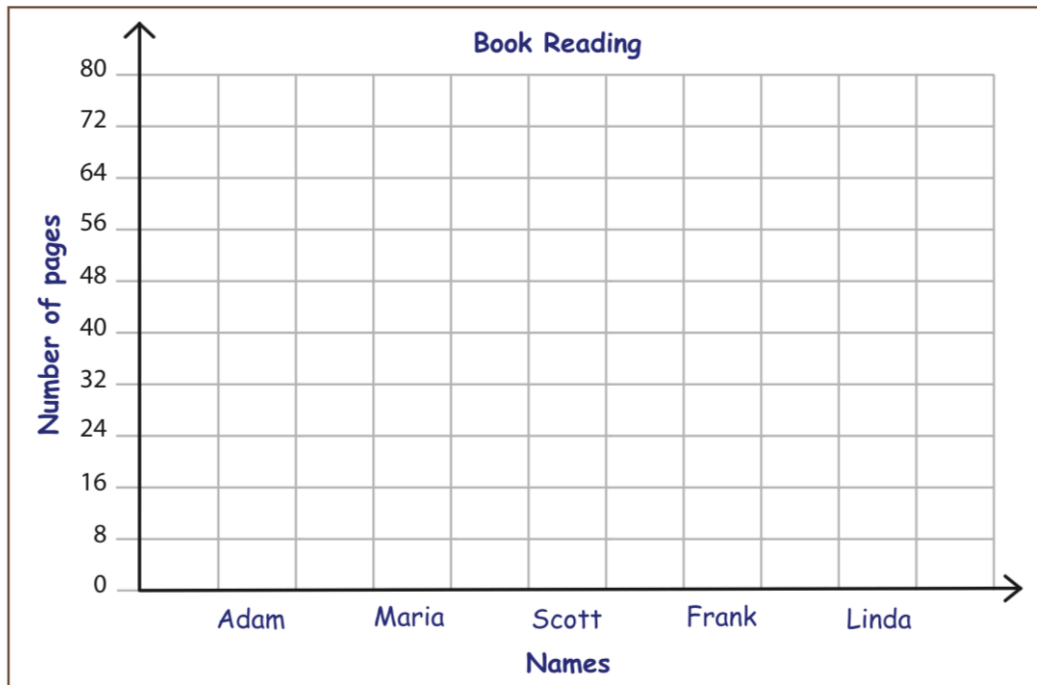


Fruit	Tally	Number
		
		

5. Frank, Maria, Scott, Susan and Linda walk through the library and grabbed books on each of their interest. The data shows the number of pages read by each of them. Draw a bar graph to represent the data. Answer the questions.

Name	Adam	Maria	Scott	Frank	Linda
# of pages	40	24	64	32	56

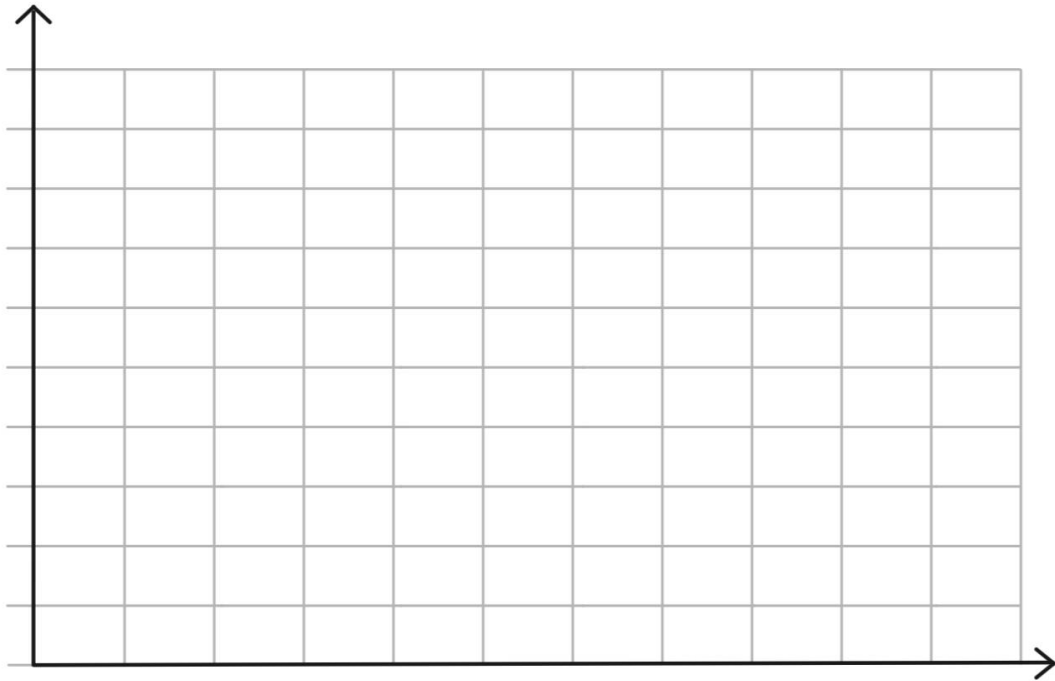


- a) Who has read less than 40 pages.
- b) How many pages do Frank, Maria and Scott read in all?

c) If Adam and Linda read the same book, how many more pages does Adam have to read to reach Linda?

6. Albert takes a survey about the little pets grown by his friends and records the data. Using the given information, follow the steps to create a bar graph to show the data

Name	Snail	Lizard	Rat	Chameleon	Frog
Number	8	14	12	4	18



Questions 5 and 6 adapted from [www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)