Grade 6 Mathematics
Week of February 1 – February 5

Lesson 5.1: Graph Types

Lesson 5.2 Graphs and Spreadsheets

Lesson Materials
- Lessons for Section 5.1 Graph Types
- Lessons for Section 5.2 Graphs and Spreadsheets
- 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.
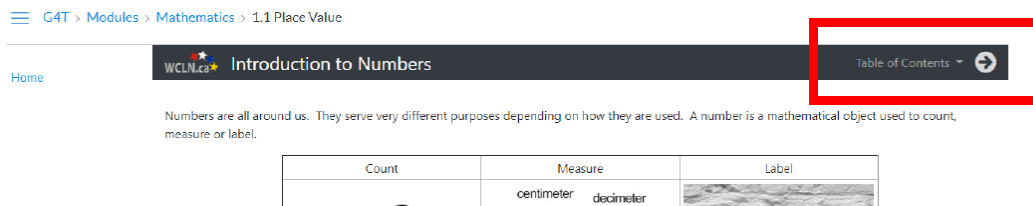
Work through the online lessons for this section. You can work at your own pace or follow the suggested schedule below. Complete the activities in your Learning Guide as you work through the lessons. You can print the Learning Guide, or, copy out the questions on a separate piece of paper. Be sure to try the games and practice quizzes as you make your way through the online lesson book.

Suggested Lesson Schedule

Monday	Wednesday
• Why Graphs?	• Spreadsheets
• Types of Graphs	• LG 5.2 p. 3, #1
• Line Graphs	
• Create a Line Graph	**Thursday**
	• Line Graphs
Tuesday	• LG p. 3, #2
• Scatterplots	
• Create a Scatterplot	**Friday**
• Misleading Graphs	• Scatterplots
• Line Graphs – Reliable or Not?	• Bar Graphs
• LG 5.1 p. 1-2, #1-2	• LG p. 4-5, #3

Math 6

Name:

# UNIT 5 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.
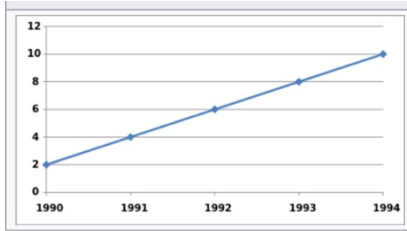

5.1 GRAPH TYPES
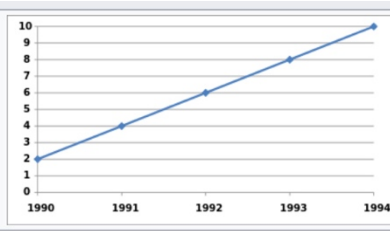
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1. Identify the graphs using the following labels:

Line Graph   Scatterplot   Pie Chart   Bar Graph   Stacked Bar Graph   Pictograph
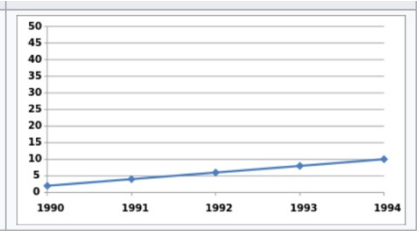
a.

d.

b.

e.

c.

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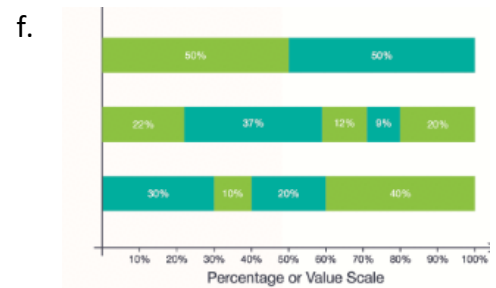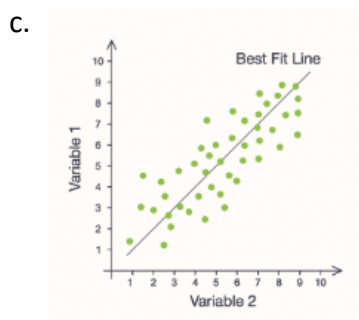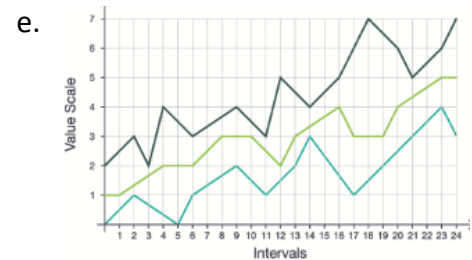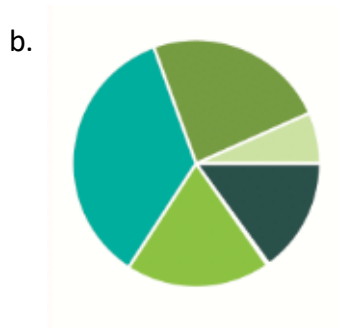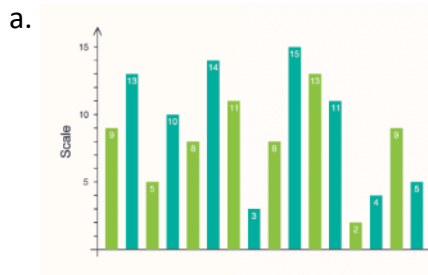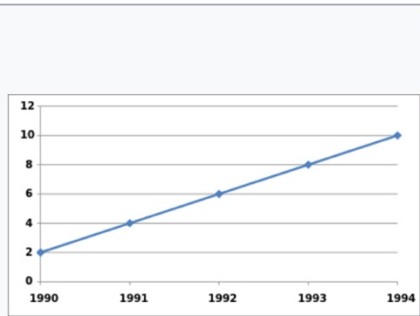
2. Analyze the following graphs to determine why they are misleading.

Original Graph   Gaaph 2   Graph 3

_____

_____

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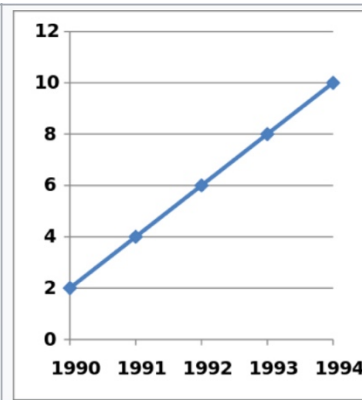Original Graph   Graph 1   Graph 2
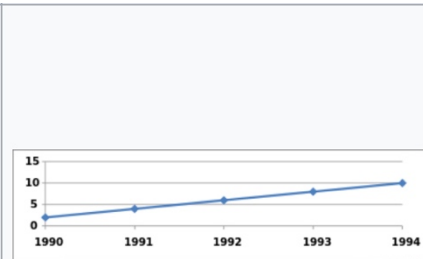
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5.2 GRAPHS & SPREADSHEETS

1. Label the following cells on the spreadsheet below:

Ex. D3   E1   G10   I4
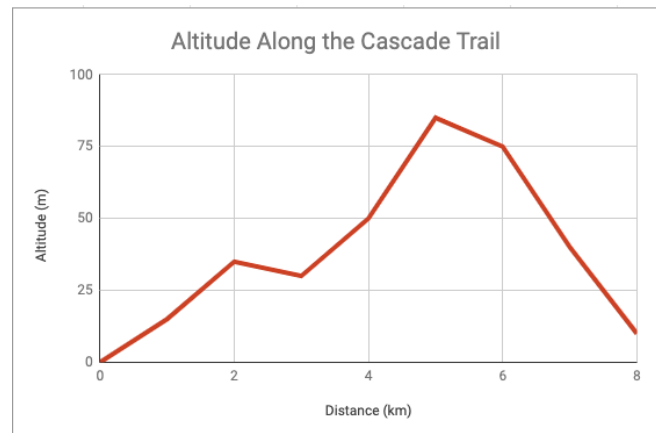
A6   H6   G2   C3

	A	B	C	D	E	F	G	H	I
1									
2									
3				Cell D3					
4									
5									
6									
7									
8									
9									
10									
11									

2. Use the line graph below to answer the following questions.

   a. What is the altitude at the beginning of the trail?

   b. What is the altitude at the end of the trail?

   c. At what point on the Cascade Trail do you reach the highest altitude?

Altitude Along the Cascade Trail — Altitude (m) vs Distance (km)

   d. What section of the trail do you think would be most challenging (1st half or 2nd half)? Explain your answer.

3. Use the graph below to answer the following questions.

Heights of Youth Age 10-15 Year Old
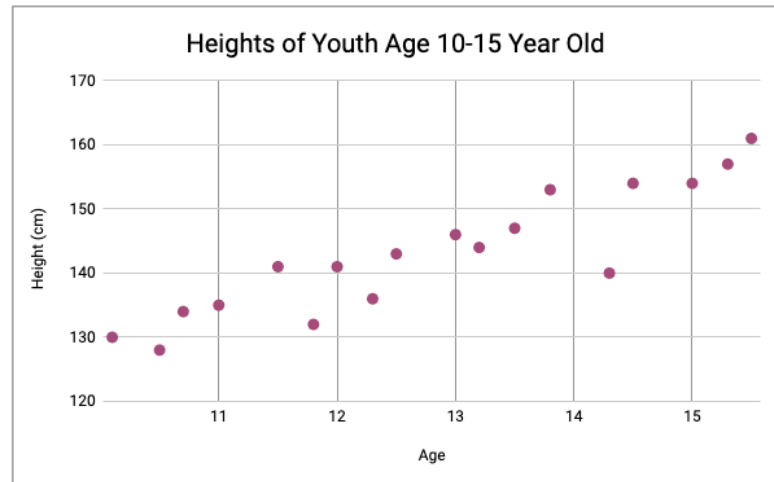
a. Why is a scatterplot graph a good choice for representing this data?

b. Draw a line through the scatterplot graph to represent the average height by age.

c. Based on the line that you drew, what is the average height of someone that is 14 years old?