Chapter 1 – Representing Data

**Which graph is the best?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ best for comparing categories using percents.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ best for showing changes in data over time.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ best for comparing two sets of data across the same categories.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ best for comparing data that can be easily counted and shown with symbols.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ best for comparing data across categories.

Line

Bar

Circle

Double Bar

Pictograph

**Choosing the Right Graph**

Choose the type of graph that would best match each set of data, and explain why:

1. Number of students who attended the dance, broken down by grade
2. Percentage of students from each grade who participated in the Terry Fox Run.
3. Number of students late for school on each day of the week.
4. The population changes in geese by month in 2012.
5. The amount of time spent on homework each day in September.
6. Percent of total time on computer spent on homework, games, and on social media.
7. Popular snacks of teens.
8. The amount of money Sally spends sleeping and studying in one week.

**Textbook questions: Text q’s p.14 – 17 #6, 8, 12, 14 on looseleaf**

**Read page18-22, and copy down the key ideas on page 22 below.**

**Misrepresenting Data Key Ideas**



**Read pg 28-30, and then copy down the key ideas on page 31 below**

**Critiquing Data Key Ideas**



**Textbook Questions** **p. 32-34 #8, 10, 12 – on looseleaf**