

Name: _____
 Date: _____
 Class: _____

1. Graphs can help you visualize data. What does this mean? Choose the best answer.

- a. Graphs can help you better understand data by presenting it in an easy-to-read format.
- b. Graphs are always pretty to look at.
- c. Making graphs requires basic knowledge of optics and data entry.
- d. Graphs present information without using numbers, letters or words--only pictures.

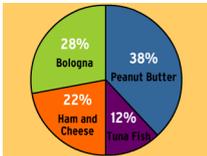
2. In a bar graph, how does the x axis differ from the y axis?

- a. The x axis represents positive values, the y axis represents negative values.
- b. Numbers are placed along the x axis, while words are placed along the y axis.
- c. The x axis is very long, the y axis is very short.
- d. The x axis is a horizontal line, the y axis is a vertical line.

3. What graph should you use when you're comparing parts of a whole?

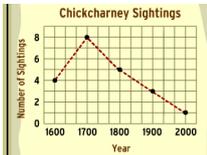
- a. A bar graph
- b. A line graph
- c. A circle graph
- d. A box-and-whisker graph

4. The following graph breaks down, by percentages, what the kids in Tim's class had for lunch today. What can you learn from this graph?



- a. That nobody likes bologna sandwiches.
- b. That more kids had peanut butter for lunch than any other option.
- c. That tuna fish is the most popular lunch option.
- d. That more kids ate ham and cheese than bologna.

5. What is a graph with lines connected to data points called?

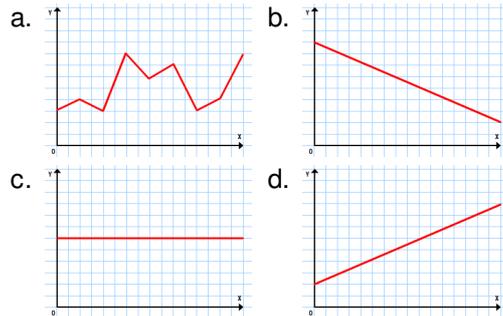


- a. A line graph
- b. A data point graph
- c. A trend graph
- d. A circle graph

6. Which kind of graph would you use to show how the price of bread has changed over time?

- a. Bar graph
- b. Line graph
- c. Circle graph
- d. Box-and-whisker graph

7. Tim has played baseball for five years. Each year, his batting average has increased by .010 points. If you plotted Tim's batting average on a line graph, what would it look like?



8. There are 15 kids in Tim's class. If you wanted to use a graph to plot how tall each one of them is, which type of graph should you use?

- a. A circle graph
- b. A bar graph
- c. A line graph
- d. A box-and-whisker graph

9. What's another name for a circle graph?

- a. Pizza chart
- b. Cake chart
- c. Pie chart
- d. Box graph

10. A bar graph shows the number of calories in five separate types of cookies. How can you tell which cookie has the highest number of calories?

- a. Its bar extends the furthest up the y axis
- b. Its bar is the widest
- c. Its bar is twice as large as all the other bars combined
- d. Its bar is the shortest