

DISPLAYING DATA

Displaying data refers to the many ways that data can be displayed whether it is on a bar graph, line graph, circle graph, pictograph, line plot, scatter plot or another way.

- When data is displayed on a graph, there are certain rules that apply in order to have the data correctly represented. Certain data is better displayed with different **graphs** as opposed to other graphs.

For example, if data representing the cost of a movie over the past 5 years were to be displayed, a line graph would be best to use because a line graph is used specifically for data that is shown over

How

In order to follow the graph should

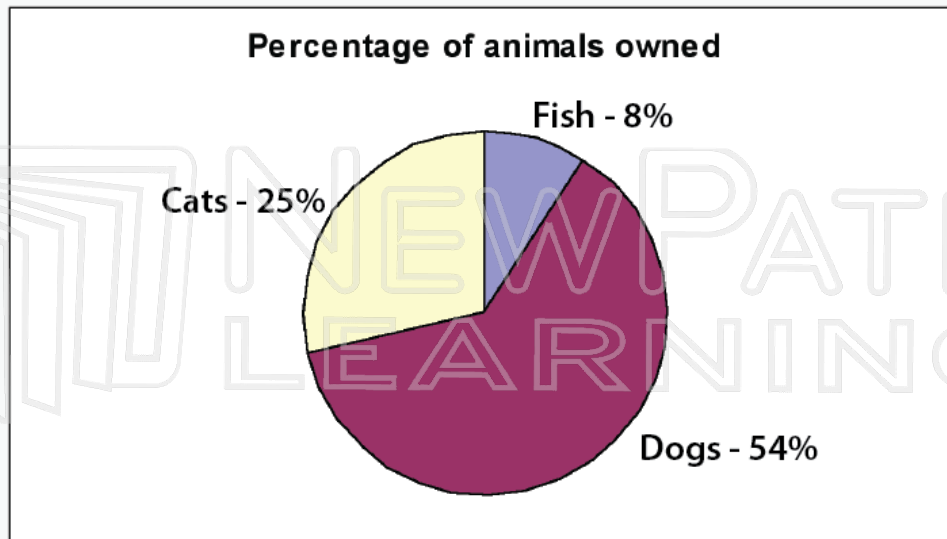
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PREVIEW

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- With a **pictograph**, all the pictures should be the same size.
- With a **circle graph**, the quantities should add up to one or 100%. For example, with the circle graph shown, the percentage of dogs looks to be about 65%, when actually it should be 54%. The percentages used do not add up to 100%.



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Try This!

1. What **type of graph** would be best to use to display the number of cars owned?

2. What **type of graph** would be best to use to display the price of a loaf of bread over the past ten years?

3. What **type of graph** would be best to use to display the percentage of students who like each subject?

4. Explain how you would use a graph to display the relationship between height and shoe size.



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