

Brain Building Broadcast: Graphing

Watch the video located at any one of the following addresses:

<http://goo.gl/PxGGcU>

<https://www.youtube.com/watch?v=xMx5pH1MPqs>

<https://vimeo.com/109846330>



Understanding the video:

1. The _____ variable belongs on the y-axis. The _____

variable belongs on the x-axis.

2. What is the **dependent variable** on the graph entitled, "Brand of Candy Bars Chosen"?

- a. Brand of candy bar
- b. Time
- c. Candy consumed
- d. Number of bars taken

3. What is the **independent variable** on the graph entitled, "Calories of Candy Consumed Over Time"?

- a. Brand of candy bar
- b. Time
- c. Candy consumed
- d. Number of bars taken

4. Which graph required units for the dependent variable?

- a. Brand of Candy Bars Chosen
- b. Candy Bars Used Over Time
- c. Calories of Candy Consumed Over Time

5. A _____ shows what part of a graph a color or symbol represents. In the graph "Candy Bars

Used Over Time", the _____ colored line represents the number of candy bars

Mr. Bingaman ate.

6. If the independent variable is an idea or category you make a _____ graph.

If the independent variable is a number you make a _____ graph.

(Continue on the back)

Practicing your graphing skills:

Three students decided to run an experiment to find out which costume would cause people to give out the most candy. Each block they walked, they stopped to count their pieces of candy. They collected their data on a table below:

Blocks Walked	Mummy	Zombie	Witch
1	5	7	6
2	11	13	12
3	17	22	18
4	22	28	24

Use the data from the table to draw a **line graph** in the grid below. Be sure to include all of the parts discussed in the checklist at the end of the movie.

