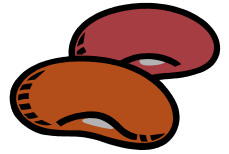


Who Spilled The Beans?



Materials: large quantity of red or other kind of dry bean

Scales (gram or ounce)

Graph paper

1. Take different size handfuls of beans and weigh, then count them. Record your results on this table:

Beans (x)	Weight (y)

2. Graph your results on a piece of graph paper.
3. Figure the slope of the line and tell what slope represents:

4. Write an equation for the line in slope intercept format.

New To You Car Shopping

Materials: Used car ads (such as Auto Focus or Auto Trader)

1. Choose a make of car: _____
2. Look through the ad for cars of that make and record their year and selling price (rounded to the nearest hundred) in this table:

Year (x)	Price (y)

Year (x)	Price (y)

3. Graph your results on a piece of graph paper. If possible, draw a line of best fit.
4. If you were able to draw a line of best fit, figure the slope of the line and write an equation in slope intercept format for it:

5. What can you infer from this scatter plot?





If The Shoe Fits



1. Conduct a survey of at least 20 people and ask them their height and shoe size. Record their answers in this table:

Male or Female?	Height (feet & inches)	Height (inches) X	Shoe Size (Y)

2. Graph your results using two different colors: one for males and one for females. If possible draw a line of best fit for each set of points.
3. If it was possible to draw a line of best fit, figure the slope of the line and write an equation for it.
4. What can you infer from this scatter plot?

Happy Birthday!

1. Conduct a survey of at least 20 people and ask them their month of birth and height (record it in inches). Record their answers in this table:

Month (x)	Height (y)

Month (x)	Height (y)

2. Graph your results. If possible draw a line of best fit for each set of points.
3. If it was possible to draw a line of best fit, figure the slope of the line and write an equation for it.
4. What can you infer from this scatter plot?

