Name:

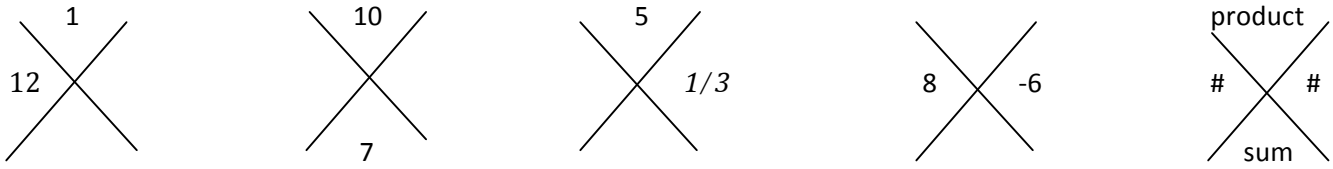
1. Collect Data:

As the manager of Beebopper Shoe Store, you are responsible for ordering the shoes to stock a brand new athletic shoe. You have no idea how many shoes of eah size to order, but you have heard from a wise old woman (who does *not* live in a shoe) that you can probably figure out a person's shoe size by estimating his/her height. The woman believes that taller people wear larger shoe sizes ad shorter people wear smaller sizes. You are not sure about this wisdom, so you decide to conduct an investigation by asking local students to provide heights and shoe sizes.

Together we will make a table and graph that represents the data from the Beebopper Shoe

Collect information from 5 other students or family members (heights and adult shoe sizes) and list in a chart: Name / Height (inches) / shoe size (Ex. Mrs. Turner / 67 inches / 8.5)

2. Diamond Problems



3. A local radio station is giving away prizes to the 9^{th} caller. After a listener successfully dials in, the radio station spins two spinners. The first determines if you win a CD or itunes download, while the second selects from five artists: two of whom you like.

a. Assuming you are the 9^{th} caller, what is the probability that you win a CD?

b. What is the probability of getting one of your favorite artists on CD or itunes?

c. What is the probability that you win a CD of one of your favorite artists?

d. What is the relationship between the fractions in (a) and (b) and your answer in (c)?

4 Sketch a model and write the problem beside your drawing (tiles or number line).

a. -7 + (-2)

b. 3 + (-4)

c. -2 – 5

d. -1 + 5

e. 4 – (-2)

f. -7 – (-8)

5. Shea thinks the problems 2 + 4 and -2 + -4 are similar while Adelle disagrees. Explain your position on this discussion.