

Warmup 4/(\#of sides on a $13-$ gon)

1) I am going to show you our height vs. shoe size scatter plot. Make a prediction of what it will look like. (What type of correlation? How strong?)
Think of your own real-world situations that would have:
2) A positive correlation
3) A negative correlation
4) No correlation
5) BONUS: Do both a strong positive correlation and a weak positive correlation


## Worksheet Answers

- Document Camera

Be aware...

- Just because two things are correlated does not mean that one causes the other...


## Pirates cause Global Warming...

- Don't believe me? Here's my proof!




## Do p.68I (\#3)

- Writing the equation of a line of best fit
- Understanding what the equation means
- Using your equation to make predictions



## Sports/Music/Movies

See Guided Notes
FREQUENCY

|  | Spanish | French | German | Total |
| :---: | :---: | :---: | :---: | :---: |
| Boys | 10 | 2 | 8 | 20 |
| Girls | 15 | 12 | 3 | 30 |
| Total | 25 | 14 | 11 | 50 |

I. What percent of the students are girls who take French?
$\frac{12}{50}=24 \%$
2. What percent of the students who take Spanish are boys?

$$
\frac{10}{25}=40 \%
$$

3. What percent of the students take German?

$$
\frac{11}{50}=22 \%
$$

4. What percent of the girls do not take German?

$$
\frac{27}{30}=90 \%
$$




## Due at the end of class:

-p. 694 (7, 9, I5)

