

April 23, 2012^{m7H}
Anything to correct?



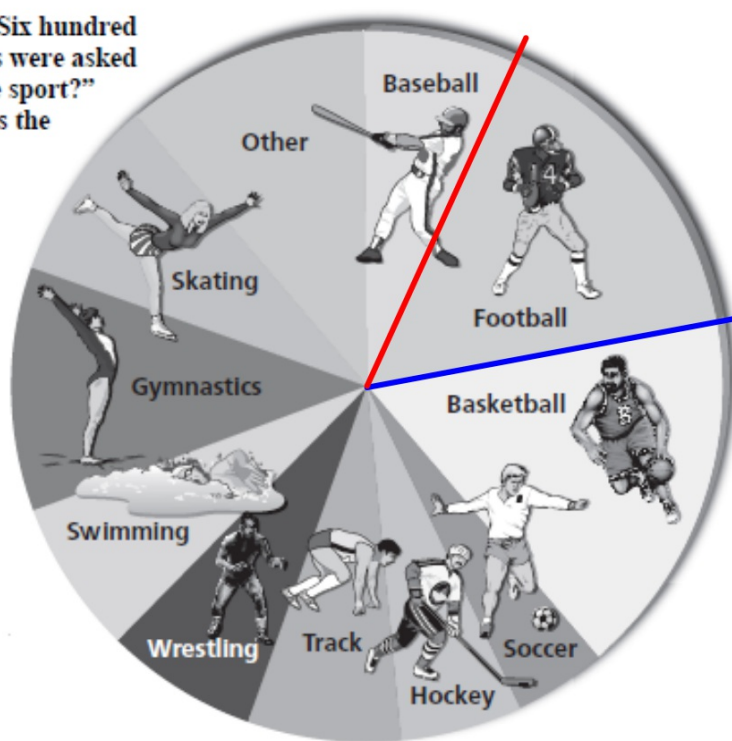
**"Keep it down. Don't make
me come in there."**

4/23 - Circle Graphs

pg 197 in your RED workbook

1 ACTIVITY: Reading a Circle Graph

Work with a partner. Six hundred middle school students were asked "What is your favorite sport?" The circle graph shows the results of the survey.



- a. Use a protractor to find the angle measure (in degrees) of the section (pie piece) for football.

~~125°~~
55°
acute L

b. How many degrees in a full circle?

360°

c. How do you write a proportion to find out how many students chose football as their favorite sport?

$$\frac{55}{360} = \frac{n}{600} \quad n = 91.666\dots$$
$$\frac{360n}{360} = \frac{33,000}{360}$$

d. Use the worksheet to find out the same information for all of the other sports.

| Sport | # of students |
|------------|---------------|
| Baseball | |
| Football | |
| Basketbal | |
| Soccer | |
| Hockey | |
| Track | |
| Wrestling | |
| Swimming | |
| Gymnastics | |
| Skating | |
| Other | |

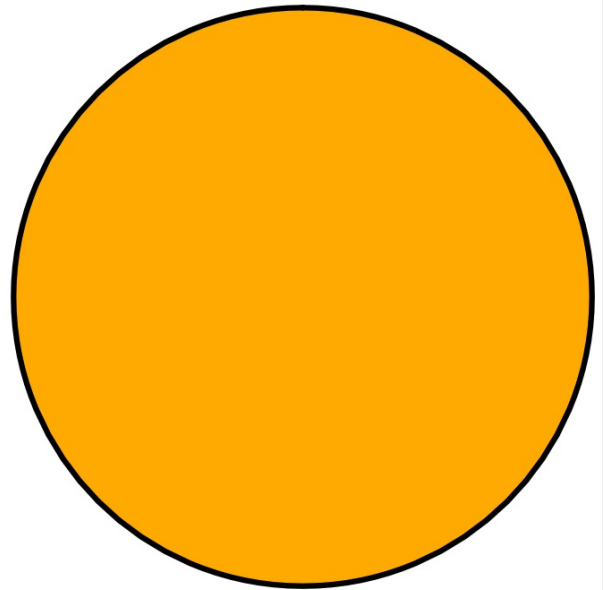
25 total

$$\frac{3}{25} = \frac{x}{360}$$

$$25x = 3 \cdot 360$$

$$25x = 1080$$

$$x = 43.2^\circ$$



Homework

Blue

Data WS2

Due Wednesday