Agenda

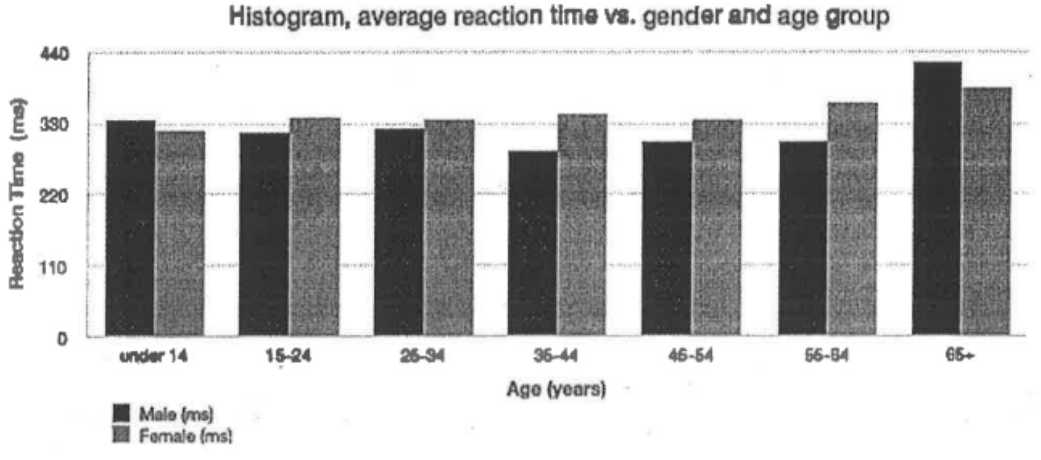
1 **Past project ideas and see samples of some graphs that count as simple math processes.**

2 **Questions on the Geometry Trig Packet so far ?**

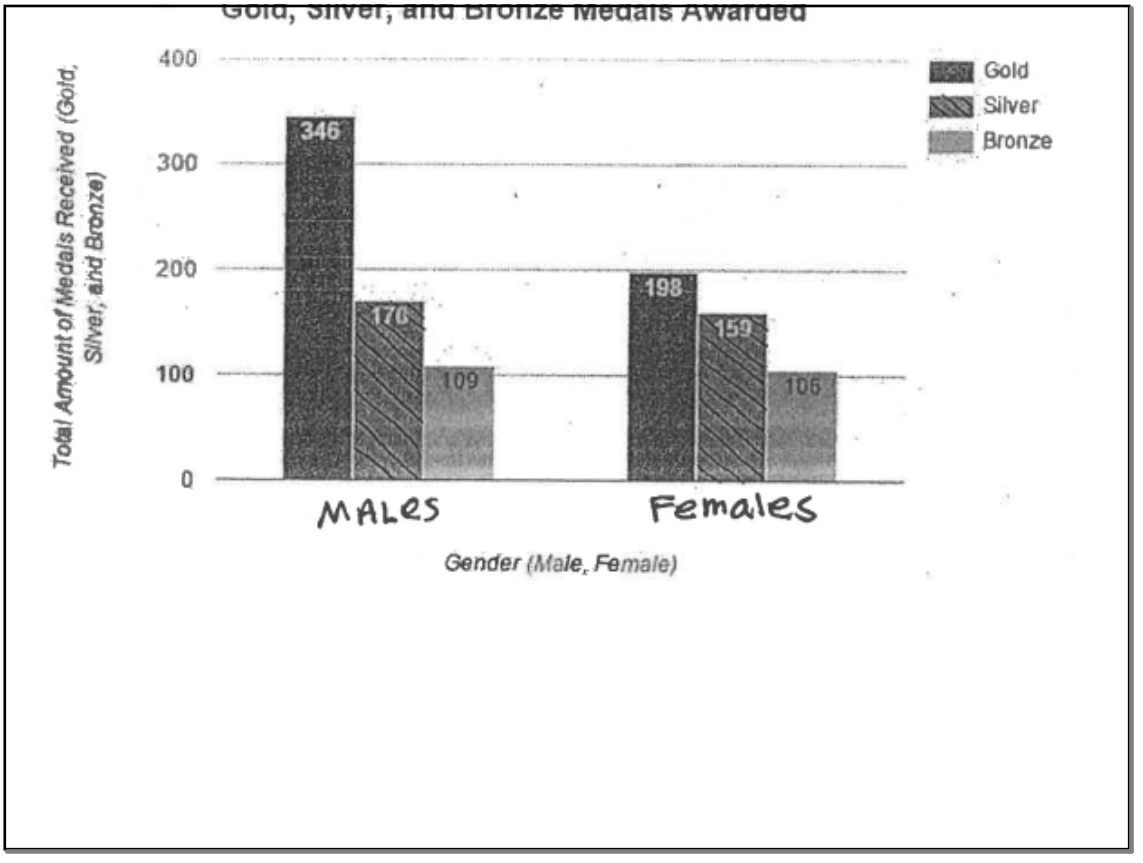
3 **Work on "14 Problems"**

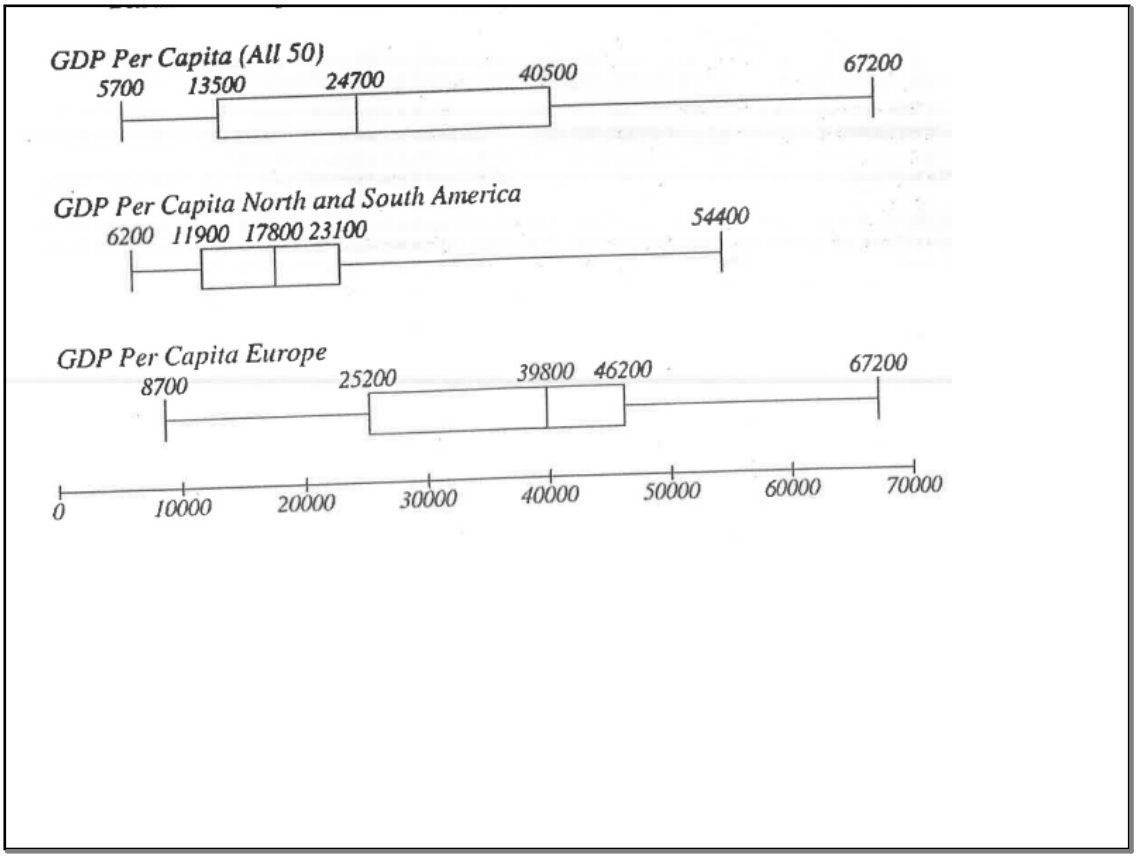
Due Tuesday

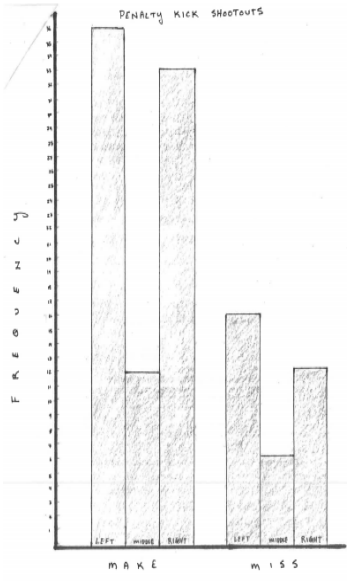
We start a new unit on Monday.

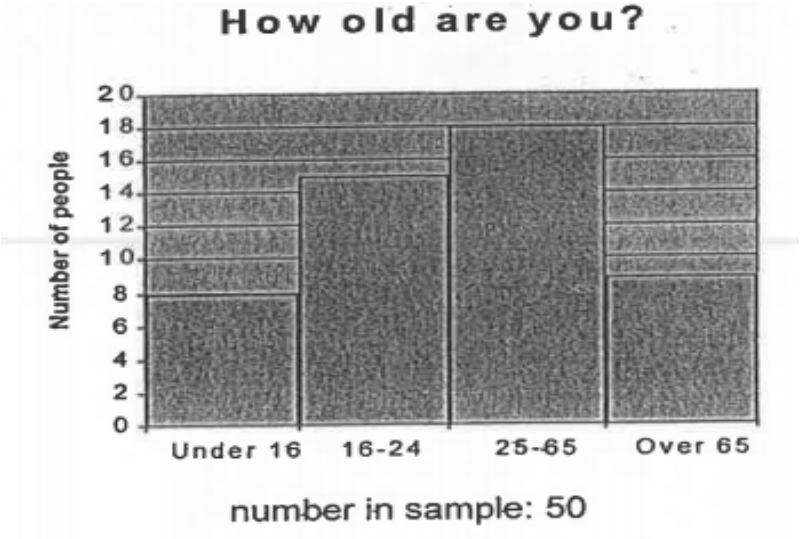


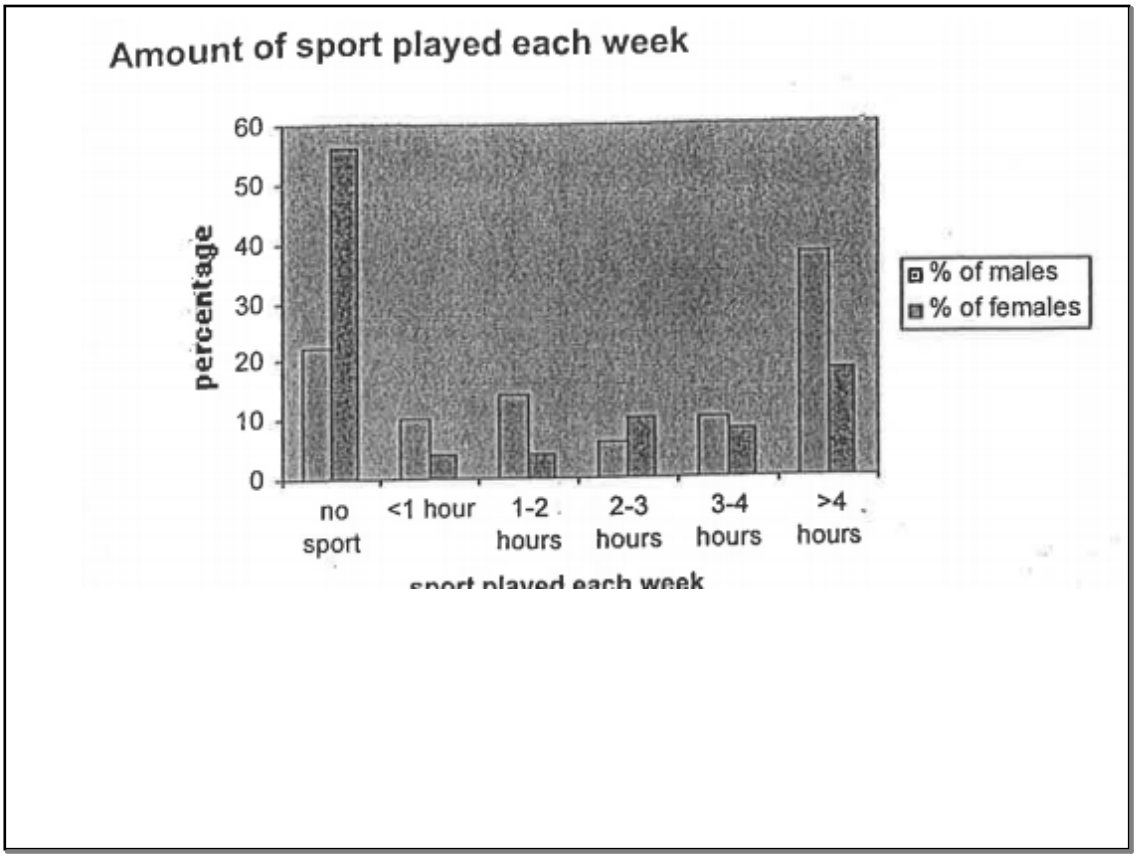
(Histogram was generated through Apple Numbers)

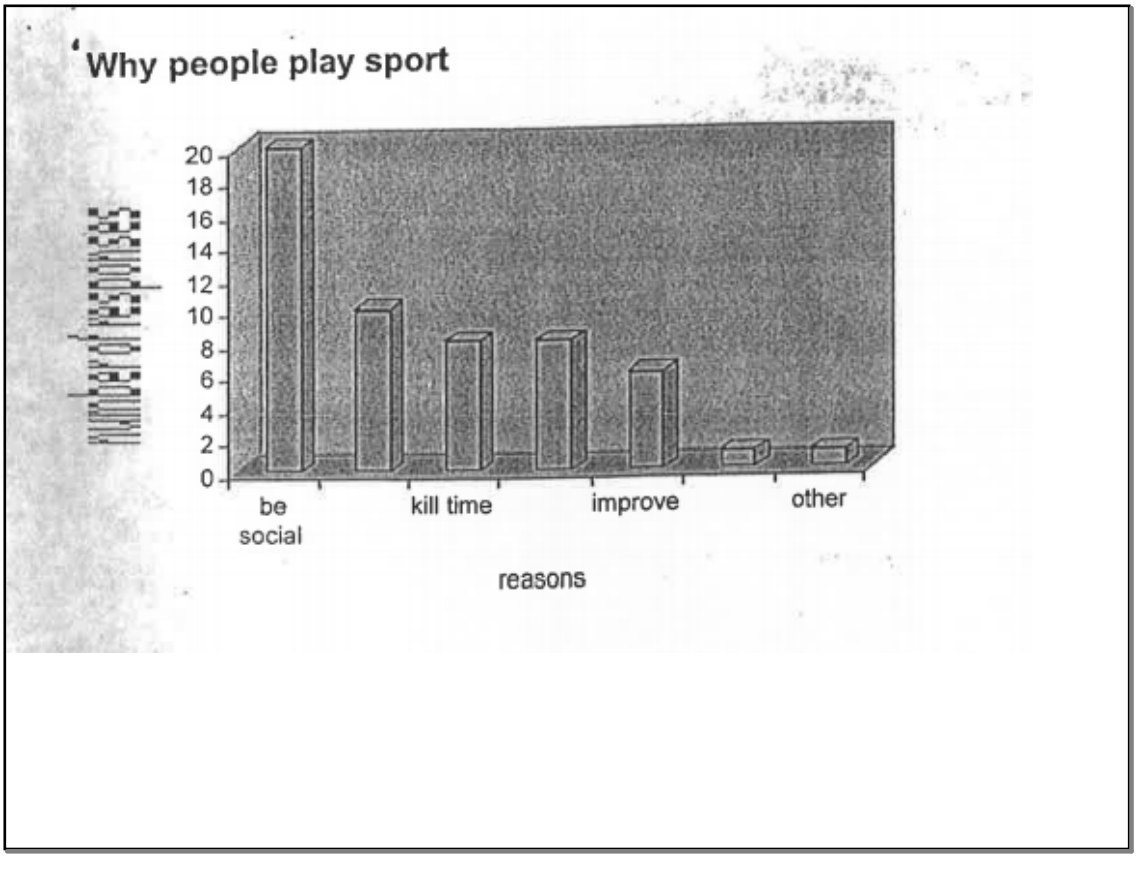

Gold, Silver, and Bronze Medals Awarded
Total Amount of Medals Received (Gold, Silver, and Bronze)
400
300
200
100
0
346
170
109
198
159
106
Gold
Silver
Bronze
MALES
Females
Gender (Male, Female)


GDP Per Capita (All 50)
5700 13500 24700 40500 67200
GDP Per Capita North and South America
6200 11900 17800 23100 54400
GDP Per Capita Europe
8700 25200 39800 46200 67200
0 10000 20000 30000 40000 50000 60000 70000

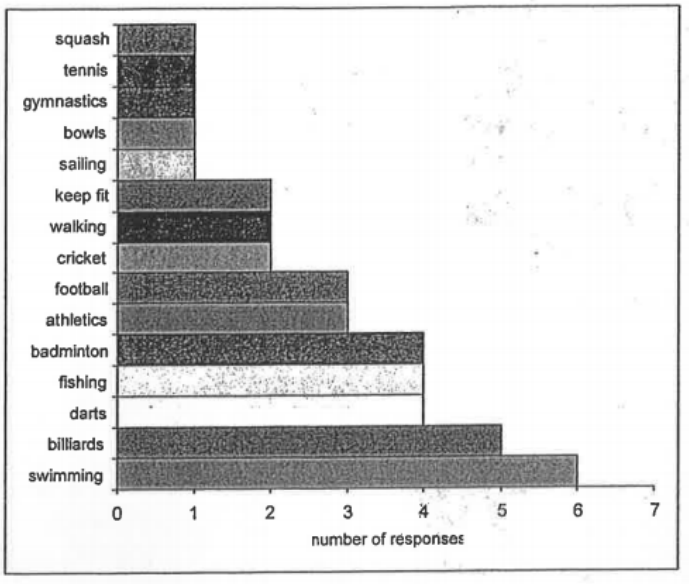

PENALTY KICK SHOOTOUTS
FREQUENCY
LEFT
MIDDLE
RIGHT
LEFT
MIDDLE
RIGHT
MAKE
MISS


How old are you?
Number of people
20
18
16
14
12
10
8
6
4
2
0
Under 16
16-24
25-65
Over 65
number in sample: 50

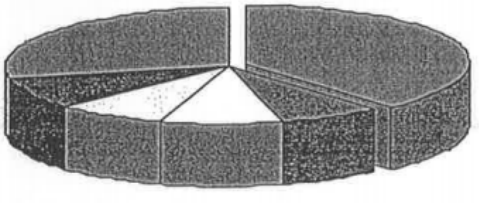

Amount of sport played each week
percentage
60
50
40
30
20
10
0
no sport
<1 hour
1-2 hours
2-3 hours
3-4 hours
>4 hours
% of males
% of females


Why people play sport
20
18
16
14
12
10
8
6
4
2
0
be social
kill time
improve
other
reasons

Sports played by those answering "more than 4 hours a week"



Amount of sport played each week

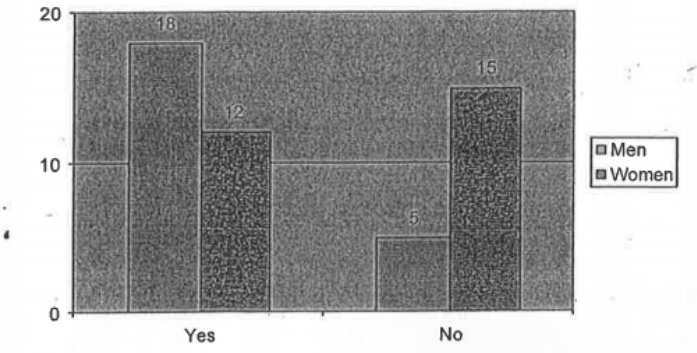


- no sport
- <1 hour
- 1-2 hours
- 2-3 hours
- 3-4 hours
- >4 hours

Often it is interesting to compare the answers of different groups of people, for example men and women.

Comparison bar charts

Do you play sport?



A nice supporting math process with the χ^2 test of Independence

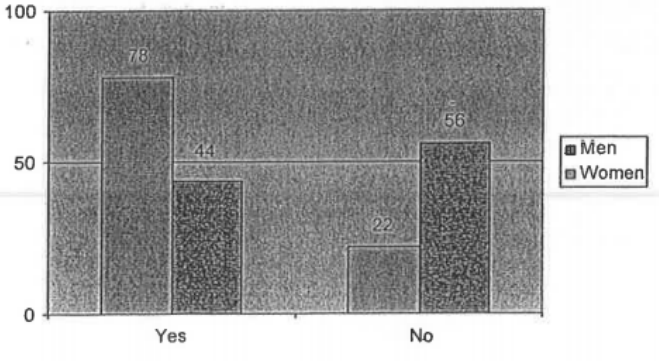
This chart shows that more men than women play sport.

This chart shows that more men than women play sport.

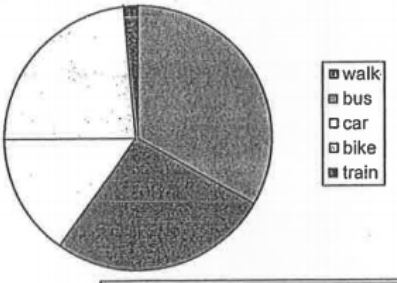
But these are 'raw' figures: 23 men and 27 women were asked this question.

So that you can make a fair comparison, you must compare the **percentage of men** playing sport with the **percentage of women** playing sport.

$$\frac{18}{23} = 78\%, \quad \frac{5}{23} = 22\%, \quad \frac{12}{27} = 44\%, \quad \frac{15}{27} = 56\%$$



How did you come to school this morning?



chool.

bus.

Remember

40 out of 60 is shown by

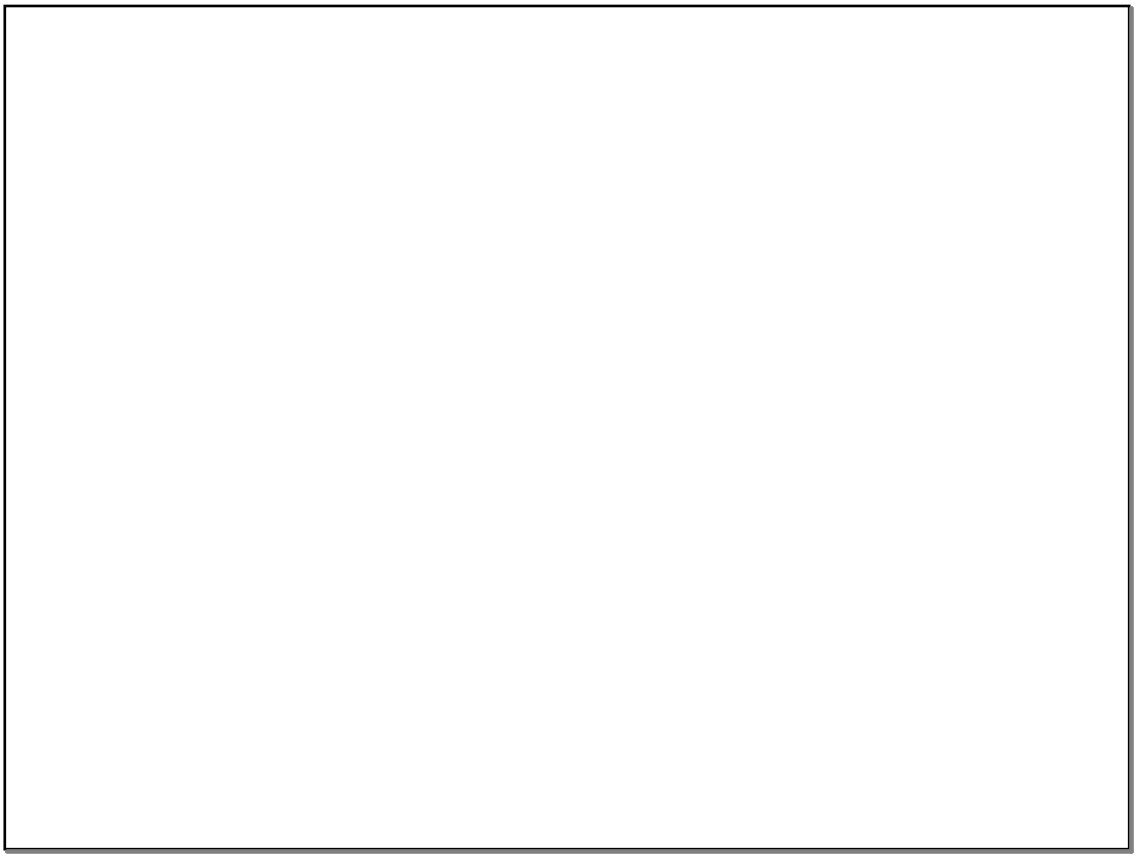
$$\frac{40}{60} \times 360°$$

$= 240°$ of the pie

Questions on the Geometry Trig Packet so far ?

(solutions posted)...

Work on "14 Problems"

Due Tuesday

We start a new unit on Monday.