1 - 4
Problem Solving Skills:
Circle Graphs

circle graph: shows data divided into categories that do <u>not</u> overlap

sector: slice of the chart that represents a percentage

**Special Note: entire circle represents 100%

Please turn to p.20 and look at the
example at the top of the page $.07 = 7\%$

$.7 = 70\%$

How do we find a percentage of a number?

Ex: 25% of 300

$.25 \times 300$

$\boxed{75}$

Ex: 13% of 500

$.13 \times 500$

$\boxed{65}$

Ex: 40% of 635

$.40 \times 635$

$\boxed{254}$

Ex: 07% of 20

$.07 \times 20$

$\boxed{1.4}$

Look at Exercises 1-4 on p.20.

1.) 10% of 80   .10 × 80 = $\boxed{8}$

2.) 40% of 80   .40 × 80 = $\boxed{32}$

3.) 35% of 80   .35 × 80 = $\boxed{28}$

4.) 100%

How to find the angles of a sector...

How many degrees are in a circle?

$360°$

Ex: What angle corresponds to the aerobics sector?

25% of 360 $\boxed{90°}$

$.25 \times 360$

Ex: What angle corresponds to the running/walking sector?

40% of 360 $\boxed{144}$

Now take a look at p.21 #5-8

5.) $\frac{525}{1983} = 0.265\ldots$ 26.5% red orange

6.) $\frac{318}{1983} = 0.160\ldots$ 16.0% yellow

16% orange

7.) $\frac{697}{1983} = 0.351\ldots$ 35.1% blue

8.) $\frac{443}{1983} = 0.223\ldots$ 22.3% green

In-Class Work

1-4 WS #1-6

We will go over this at the end of class for homework points.

Homework

Journal #1

"What did you do over fair break?"