3/8/10

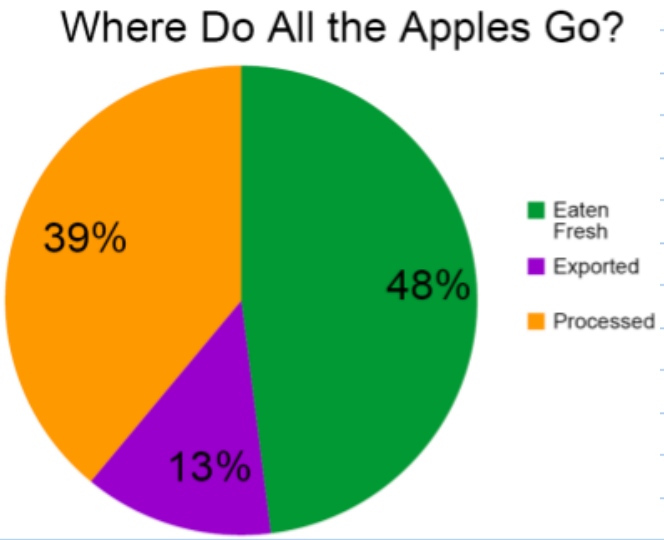
Objective:

TSWBAT read and make circle graphs.

Vocabulary:

circle graph: a graph of data where the entire circle represents the whole. Each wedge in the circle represents part of the whole.

Reading a Circle Graph



1. For what purpose are 48% of the apples used?

eaten fresh

2. What percent of apples are exported?

13%

3. How are 39% of the apples used?

Processed

4. What percent of apples are not exported?

48+39=87%

Making a Circle Graph

Stolen bases by the Seattle Mariners

Player	Total
Ichiro Suzuki	56
Mark McLemore	39
Mike Cameron	34
Other players combined	45
Total number of stolen bases	174

In 2001, the Seattle Mariners baseball team stole a total of 174 bases. Make a circle graph of the data.

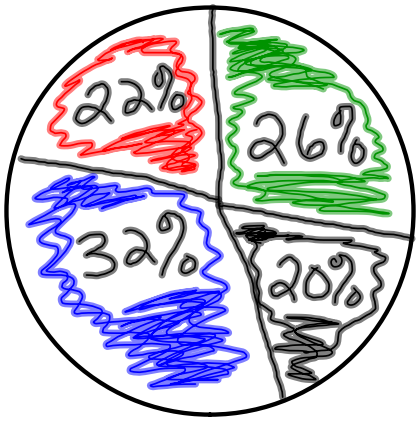
1. Use a calculator to change the data to percents of the total. Round to the nearest percent.

$IS = \frac{56}{174} = 32\%$ $MC = \frac{34}{174} \approx 20\%$

$MM = \frac{39}{174} = 22\%$ $OP = \frac{45}{174} \approx 26\%$

2. Use your number sense to divide the circle.

= IS
= OP
= MM
= MC



Practice:

Of 50 students surveyed 13 preferred hot lunch, 9 packed lunch, 6 ate at the salad bar, and 22 bought sandwiches. Make a circle graph of the data.