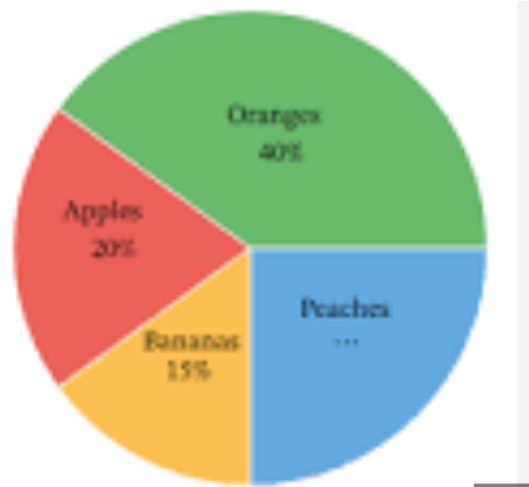


Circle Graphs

A circle graph is a visual representation of data, made by dividing a circle into sectors. Each sector represent parts of a whole.

Usually the amounts in each sector are represented in percent, so that all of the amounts total 100%.



Procedure for finding degrees for each sector

- 1. Find the percent for each category by dividing each expense by the total.**
- 2. Multiply the percent of each category by 360° to find the measure of the each sector.**

Construct a pie chart to illustrate that information.

A family weekly income of \$200 is budgeted in this manner; \$60 food, \$50 rent, \$20 clothing, \$20 books, \$30 entertainment and \$20 other.

1. The Jones family has a budget. Each month it uses its income in the following manner: 30% for food, 25% for rent, 20% for transportation, 10% for savings, 5% for entertainment, and 10% for unexpected expenses. Construct a pie graph representing this information.

2. Each dollar that the government obtains in taxes is spent in the following manner: 25 cents goes to defense, 30 cents goes to social security, 10 cents goes to farm subsidies, 15 cents goes to government salaries, and 20 cents is spent on miscellaneous social programs. Construct a circle graph representing this information.

3. In 1988 a university received the indicated amount of revenue from the following sources:

Federal Aid:	\$600,000
State Aid:	700,000
Private Donations:	100,000
Corporate Donations:	200,000
Student Tuition:	300,000
Other:	100,000