


Today's Topic

Visualizing A Budget

You will need:

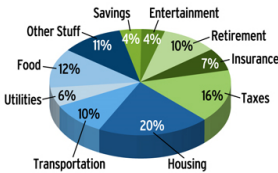
- Calculator
- Items on student table
- **Cost Comparisons - I.P.**
- Pen or sharpened pencil



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Using Pie Charts

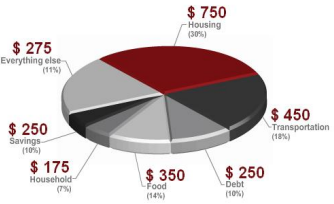
Log on!



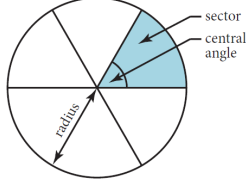
Objective:

Visualize & interpret a budget using a pie chart.

A budget helps you step back and get the big picture of your finances.



Why is it important to know how and when money is coming in and going out??"



Pie Chart

In order to construct a pie chart, you need to understand a few important characteristics of a circle.

- The six radii (plural of radius) divide 100% of the area of the circle into six regions called **sectors**.
- The sectors of the circle are constructed around the center of the circle.
- The angles formed at the center of the circle are **central angles**.
- Recall that the sum of the measures of the central angles in a circle is 360 degrees.

Example: Jeff budgets his monthly expenses as follows.

- Household: 40%
- Education: 25%
- Transportation: 15%
- Health: 5%
- Savings: 10%
- Miscellaneous: 5%

Construct a pie graph for Jeff using a protractor.

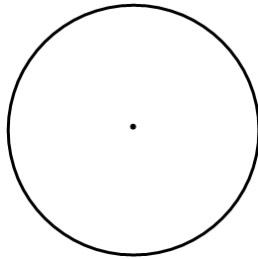
Creating a Pie Chart

Category	%	Angle
Household	40	144
Education	25	90
Transportation	15	54
Health	5	18
Savings	10	36
Miscellaneous	5	18
Total	100	360

Step 1: Find the measure of the central angle by multiplying the percent by 360.

Step 2: Create the sectors.

- Draw a radius. (It does not matter where.)



- Use the protractor to draw the remaining radii.

Category	%	Angle
Household	40	144
Education	25	90
Transportation	15	54
Health	5	18
Savings	10	36
Miscellaneous	5	18
Total	100	360

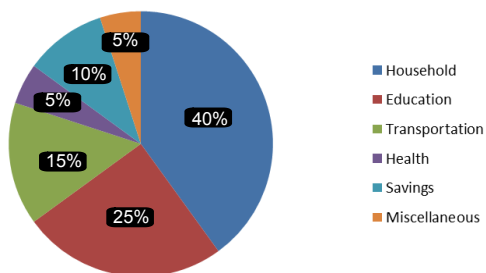
FM Chapter 11-3A Day 4.notebook

Step 3. Label the pie chart using:

- Categories
- Percents
- Title

Category	%	Angle
Household	40	144
Education	25	90
Transportation	15	54
Health	5	18
Savings	10	36
Miscellaneous	5	18
Total	100	360

Jeff's Monthly Budget



Please complete
Visualizing A Budget
with a Pie Chart -
Independent Practice

ONLY PROBLEM #1