

Circle Graphs

Hint: There are 360° in a circle

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

Construct a circle graph to represent the data.

4. There are 20,000 students attending a certain college. The classes are distributed in the following manner: 4,000 seniors, 3,000 juniors, 5,000 sophomores, 6,000 freshmen, and 2,000 graduate students. Construct a circle graph representing this information.
5. A family weekly income of \$200 is budgeted in this manner; \$60 food, \$50 rent, \$20 clothing, \$20 books, \$30 entertainment and \$20 other. Construct a pie chart to illustrate that information.