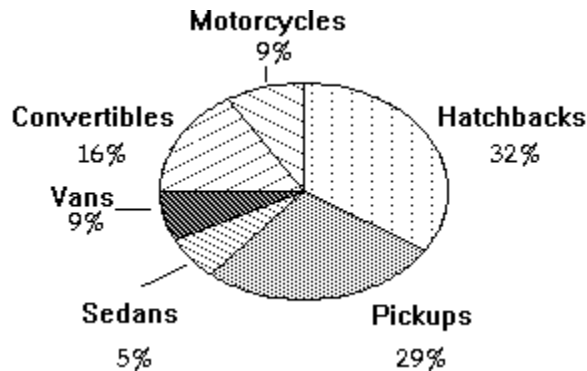


Worksheet 5.4

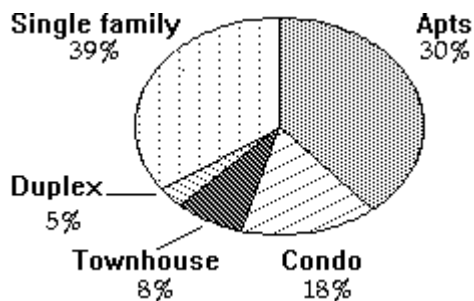
Circle Graphs (Pie Charts).

A survey of the 9084 vehicles on the campus of State University yielded the following circle graph. Use the circle graph to solve problems 1 through 3. See examples on page 301 in text.



- How many vehicles are hatchbacks? Round your answer to the nearest unit.
A) 32 B) 2907 C) 9052 D) 32%
- Together, what percent of the vehicles are either vans or convertibles?
A) 25% B) 16% C) 9% D) 2271
- What type of vehicle(s) makes up 18% of all vehicles at State University?
A) Vans B) Motorcycles C) Vans and Motorcycles D) Convertibles

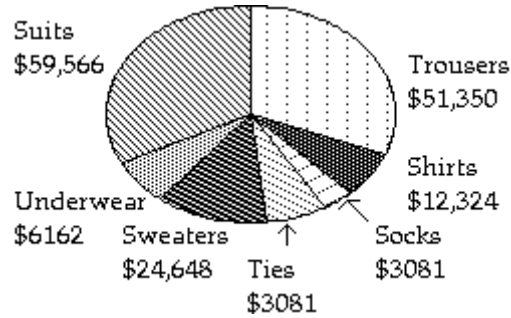
The circle graph shows the percent of the total population of 18,200 of Springfield living in the given types of housing. Use the circle graph to solve problems 4 and 5. See examples on page 301 in text.



- Find the number of people who live in duplexes.
A) 17,290 people B) 0 people C) 5 people D) 910 people
- What percent of the population lives in either Single Family homes or Apartments?
A) 69% B) 39% C) 30% D) 31%

Worksheet 5.4

The circle graph below gives the inventory of the men's department of a store. Use the circle graph to solve problems 6 through 8. See examples on page 301 in text.



6. What is the total inventory?
- A) \$165,347 B) \$168,428 C) \$160,212 D) \$157,131
7. Which item of apparel does the store have the second largest investment?
- A) Sweaters B) Suits C) Trousers D) Shirts
8. What percent of the inventory is made up of Shirts? Round answer to nearest tenth of a percent.
- A) 7.8% B) 12.3% C) 100% D) 7.7%

Use a proportion to solve the problem. See examples on page 210 in text.

9. The 7th hole at the Riverwoods Golf Course is 125 yards long. How long would it be on a model with a scale of 2.5 inches to 25 yards?
- A) 12.5 inches B) 62.5 inches C) 6.25 inches D) 31.25 inches

Solve the problem. See examples on page 251 in text.

10. The sales tax on a freezer is \$20.32 and the sales tax rate is 4%. Find the purchase price (the price before taxes are added) and the total price paid. Round your answers to the nearest cent.
- A) \$677.33, \$697.65 B) \$508.00, \$528.32
C) \$406.40, \$426.72 D) \$50.80, \$71.12