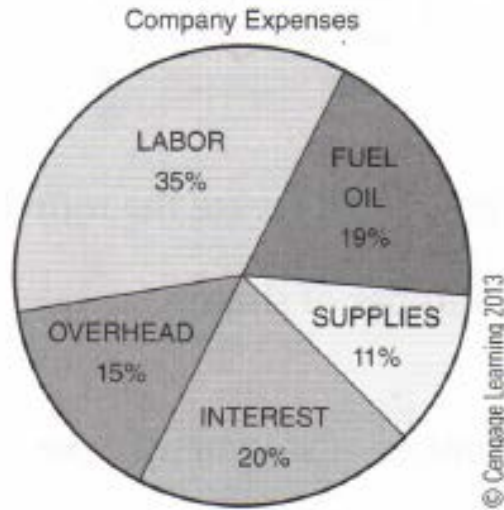


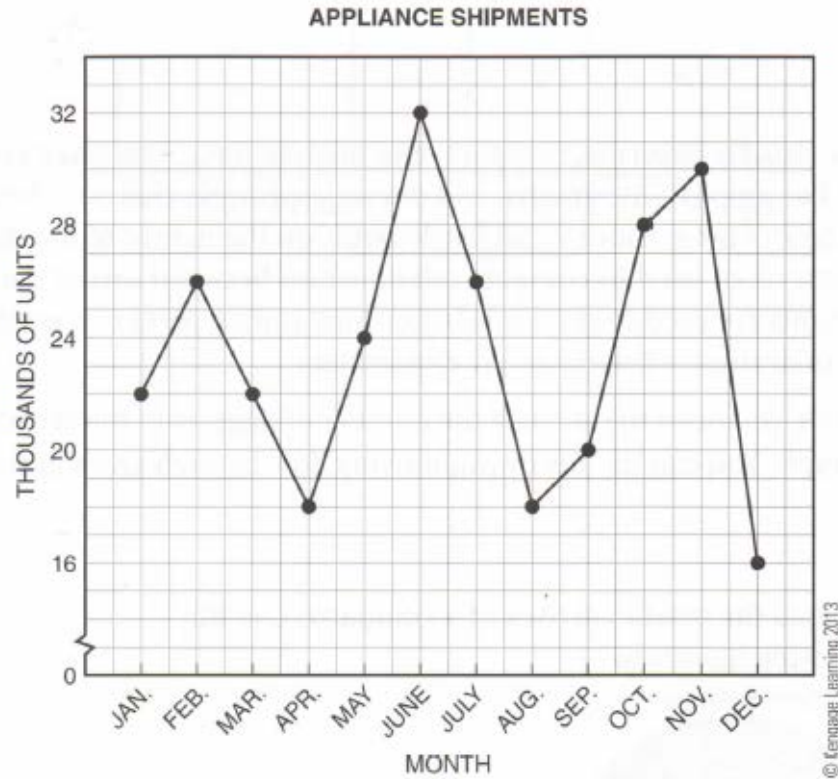
**Interpreting Statistical Graphs  
Classwork**

1.) This circle graph represents the total expenses of a company. Use the graph to answer the following questions.



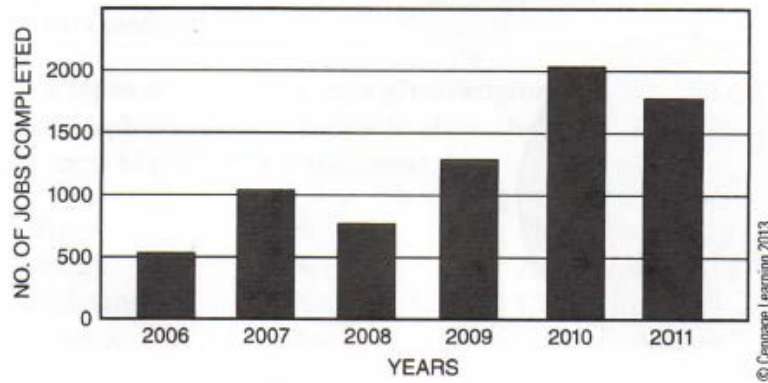
- a.) Which labeled part of the circle graph represents the greatest expense?
  
- b.) Which labeled part represents the least expense?
  
- c.) What is the percent difference between the greatest expense and the least expense?
  
- d.) Suppose the company's total expenses are \$1million. How much more money (in dollars) does the company spend on labor than they do on supplies?
  
- e.) The company wants to increase their payroll (labor costs) to \$500,000. How much more will their total budget need to increase to keep the percentages the same?

2.) This line graph displays the numbers of appliance shipments in thousands of units made during a 12-month period. Use the graph to answer the following questions.



- a.) During which two months did the shipments decrease the most?
- b.) During which month did the greatest number of shipments take place?
- c.) During which month did the fewest number of shipments take place?
- d.) During which month was the shipment halfway between the lowest and greatest numbers of shipments?
- e.) During which month were 20,000 units shipped?
- f.) How many units were shipped during the whole year?

3.) This bar graph shows the number of jobs completed during a 6-year period. Use the graph to answer the following questions.



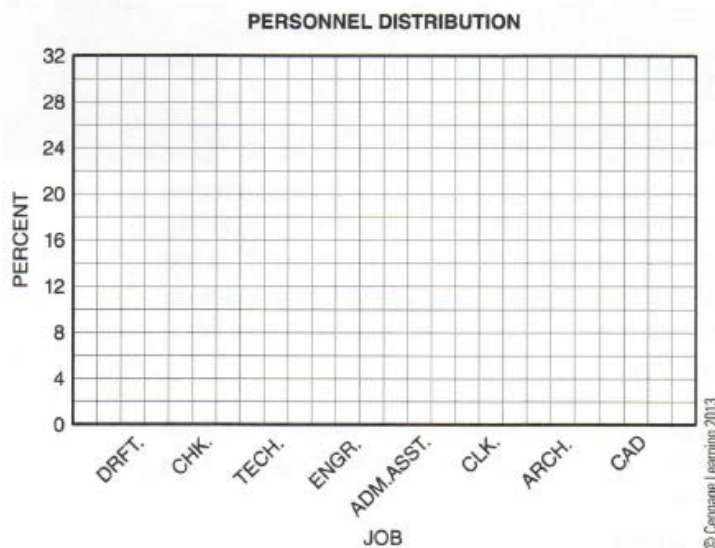
a.) In which year was the greatest number of jobs completed?

b.) In which year was the fewest number of jobs completed?

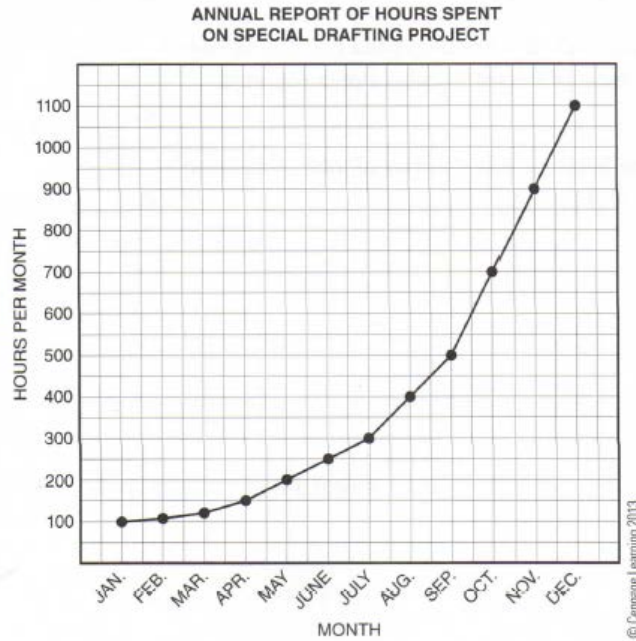
c.) What was the difference between the number of jobs completed for the years 2006 and 2011?

4.) Eight types of jobs make up a given engineering department. Create a bar graph on the grid below to show the distribution of workers in each type of job in the department.

Drafters	26%	Architects	10%	Clerks	4%
Checkers	8%	Engineers	14%	CAD Operators	24%
Technicians	8%	Admin. Asst.	6%		



5.) The line graph below displays the number of hours per month that a company spent on a special drafting project one year. Use the graph to answer the following questions.



- a.) How many hours were spent on the project during November?
- b.) In which month were the hours spent seven times the number of hours spent in January?
- c.) In what month were 150 hours spent on the project?
- d.) Which three months had the largest increase in the number of hours worked?

6.) A summer audit of the Acme Wholesale Company revealed its net gain in production during six months. On the grid below, create a line graph that displays the data collected during this 6-month period: in April, the net gain was \$15,000; May -- \$20,000; June -- \$10,000; July -- \$25,000; August -- \$30,000; and September -- \$27,500.

