Practice B

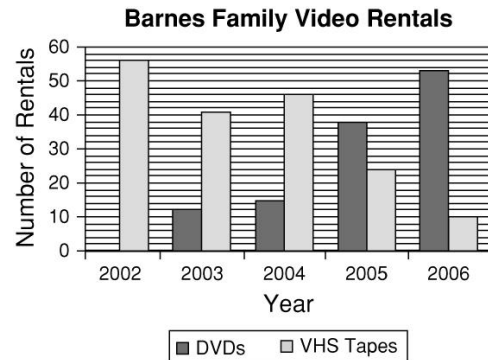### *Organizing and Describing Data*

Look at the double bar graph.

1. Which was the first year that the Barnes rented more DVDs than VHS tapes?

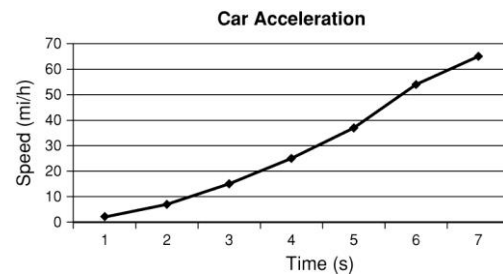   _____

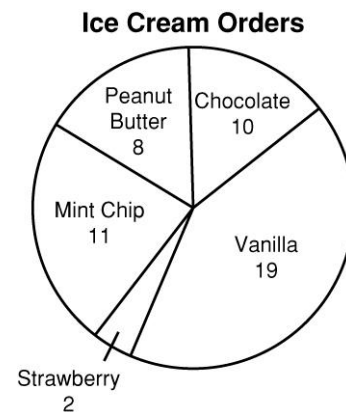2. About how many videos did the Barnes family rent in all in 2003?

   _____

Barnes Family Video Rentals

Look at the line graph.

3. During which time interval did the car's speed increase the least?

   _____

4. Describe how the speed changed over time.

   _____

   _____

   _____

Car Acceleration

Look at the circle graph.

5. There were 5 times the number of orders for

   _____ as there were for strawberry.

6. What percent of the orders for ice cream were for

   mint chip or vanilla? _____

7. The table shows the number of customers who pumped 4 types of fuel at a gas station in a given time period. Use the given data to make a graph. Explain why you chose that type of graph.

Ice Cream Orders

87 Octane	89 Octane	93 Octane	Diesel
12	1	5	2

_____

Problem Solving

Organizing and Describing Data

The table below gives the top five ringtone genres reported during a survey of cell phone subscribers in August, 2005.

Ringtone genre	Males (millions)	Females (millions)
Hip Hop or Rap	2.232	2.472
Rock or Alternative	2.219	2.082
Pop	1.044	2.069
TV/Movie/Game Themes	1.161	1.371
Classic Rock	0.949	0.918

1. Use the data to make a graph below. Explain why you chose that type of graph.

   _____

   _____

   _____

2. From the graph (*not* the table), explain how you can tell that the Pop genre is nearly twice as popular with females as males.

   _____

   _____

   _____

In 2000, there were approximately 27 million people 18–24 years old in the United States. The circle graph below shows the highest level of education for that population. Use the graph to select the best answers for questions 3–5.

3. Which level of education was least represented?

   A Less than high school graduate

   B Some college or associate degree

   C High school graduate

   D Bachelor's degree or higher

4. How many 18–24 year-olds had attained a bachelor's degree or higher?

   F 2.16 million   H 10.26 million

   G 8 million   J 12.42 million

5. How many 18–24 year-olds never attended college?

   A 6.75 million   C 12.42 million

   B 7.83 million   D 14.58 million

Educational Attainment of the Population 18–24 Years Old, 2000

Bachelor's degree or higher 8%

Less than high school graduate 25%

Some college or associate degree 38%

High school graduate 29%