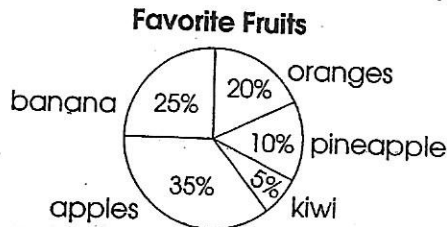


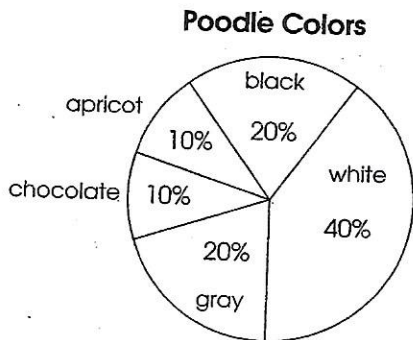
Name \_\_\_\_\_

# A Circle of Information

**Circle graphs** allow large amounts of information to be shown in a simple way. Thirty students each cast one vote. Ten percent voted for pineapple. To find the exact number, figure 10% of 30.  
 $0.10 \times 30 = 3$   
 Three students voted for pineapple.



Answer each question using the graphs below.

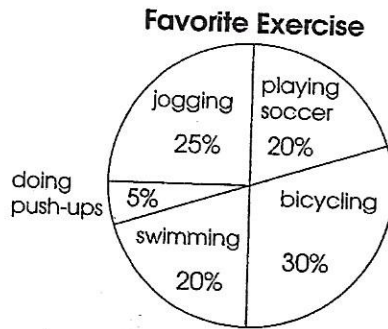


Fifty poodle lovers were asked about their favorite color of poodle.

- A. Which is the most popular color? \_\_\_\_\_
- B. What percentage prefer black? \_\_\_\_\_  
 Exactly how many is that? \_\_\_\_\_
- C. How many poodle lovers prefer black over apricot? \_\_\_\_\_

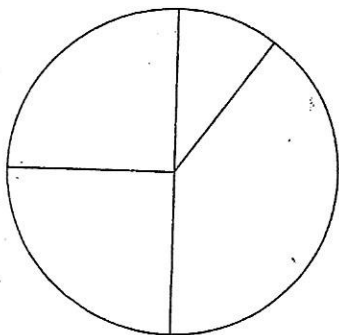
Twenty-five students were asked how they liked to exercise.

- D. Which exercise is the least popular? \_\_\_\_\_
- E. Which exercise is the most popular? \_\_\_\_\_
- F. How many prefer jogging over swimming? \_\_\_\_\_

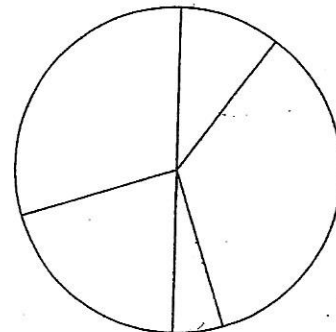


Place the correct percentages in each circle graph.

- G. math—40%
- English—10%
- science—25%
- music—25%



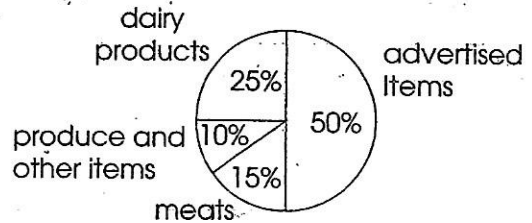
- H. skateboarding—5%
- roller blading—35%
- scooters—10%
- bicycling—30%
- skate shoes—20%



Name \_\_\_\_\_

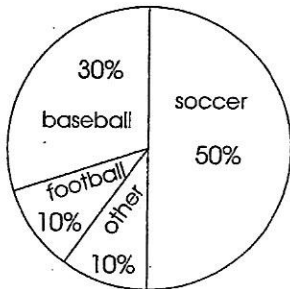
# Predicting Events

When looking at data collected, predictions can be made. For example, if 50% of Rancho Market's sales on Wednesday are advertised items, and it has been that way all year, we can predict that this coming Wednesday 50% of sales will be advertised items. Rancho Market can prepare accordingly.



Use the graphs, diagrams, and data plots to make predictions.

Use of Free Time During P.E.

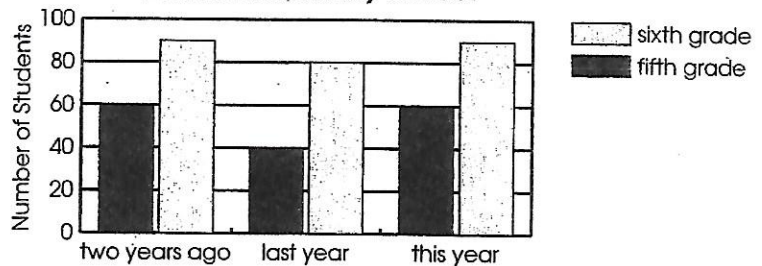


- Next time during free time, what choice of sports will 50% of the students probably make? \_\_\_\_\_
- If students do not choose soccer, what choice are they most likely to make? \_\_\_\_\_
- What percent of the students might choose something other than the three sports listed? \_\_\_\_\_

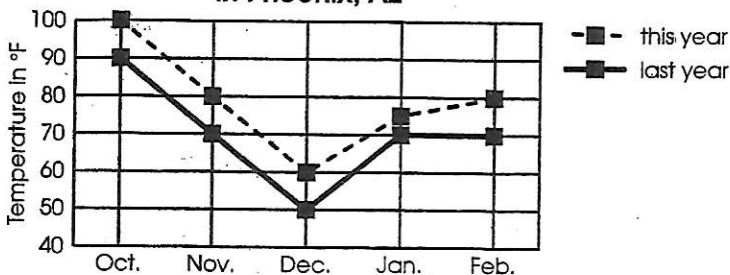
- D. How likely is it that more students in fifth grade will sign up for band next year than sixth grade? \_\_\_\_\_

Why? \_\_\_\_\_

Students Joining Band at Mason Elementary School



Winter Temperature Highs in Phoenix, AZ



- Is it likely to snow in Phoenix in November based on the graph shown? \_\_\_\_\_
- What temperature is it likely to be next year in February: 75°F or 120°F? \_\_\_\_\_