

LESSON
1.9

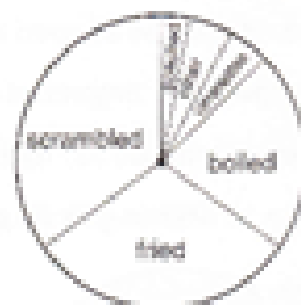
Reading Circle Graphs

Use your estimation skills and your Percent Circle to answer the following questions.



1. The circle graph at the right shows people's preferences for preparing eggs.

Methods of Preparing Eggs



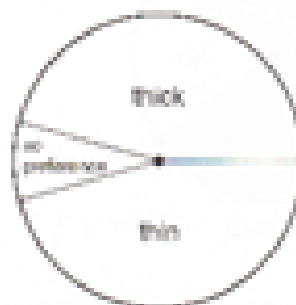
Source: American Egg Board

- Which is the most popular method for preparing eggs? _____
- Which is the least popular method for preparing eggs? _____
- Which method is preferred by about 25% of the people surveyed? _____
- Which methods are preferred by less than 10% of the people surveyed?

- What percent of people surveyed prefer scrambled eggs? About _____%
- Is the percent greater for people favoring fried eggs or boiled eggs? _____
About how much greater? _____%
- How do you like your eggs prepared? _____

2. The circle graph at the right shows people's preferences for pizza crust.

Pizza Crust Preferences



Source: Pizza Today

- True or false: In this survey, the number of people who prefer thin-crust pizza is about the same as the number of people who prefer thick-crust pizza.

- What percent of people prefer thin-crust pizza? About _____%
- What percent prefer thick-crust pizza? About _____%
- What percent have no preference? About _____%
- What kind of crust do you prefer? _____

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A Magazine Survey

An issue of a sports magazine for kids featured a readers' survey. In the survey, readers were asked to respond to the following three questions:

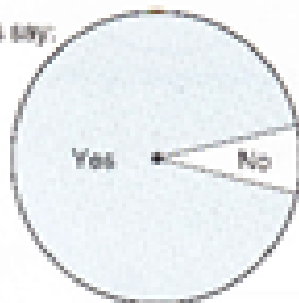


1. Should girls be allowed to play on boys' teams?
2. Should boys be allowed to play on girls' teams?
3. On how many organized sports teams do you play during a year?

Readers' responses are represented by the circle graphs below.

Question 1: Should girls be allowed to play on boys' teams?

Girls say:



Graph A

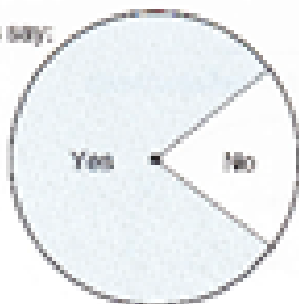
Boys say:



Graph B

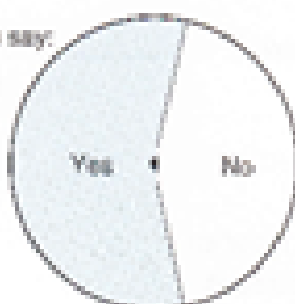
Question 2: Should boys be allowed to play on girls' teams?

Girls say:



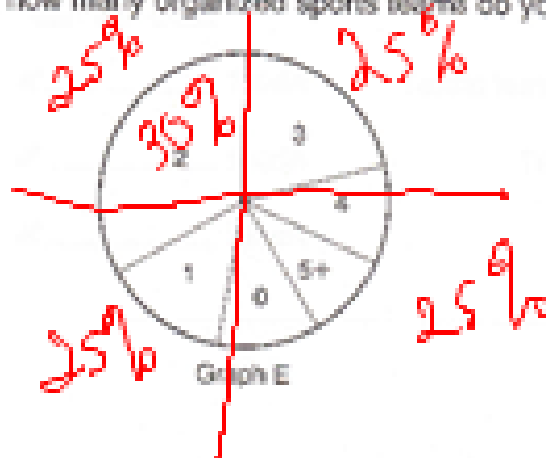
Graph C

Boys say:



Graph D

Question 3: On how many organized sports teams do you play during a year?



Graph E

LESSON
1.9**A Magazine Survey** *continued*

Refer to the circle graphs on the preceding page to answer the following questions.



1. Estimate the percent of boys and girls who gave the following responses.
 - a. Approximately _____% play on 2 organized teams during a typical year.
 - b. Approximately _____% play on at least 2 organized teams during a year.
 - c. Approximately _____% of the girls think that girls should not be allowed to play on boys' teams.

2. Which graph (A, B, C, or D) shows almost everyone agreeing on an answer? _____

3. Which graph (A, B, C, or D) shows opinions that are almost evenly divided between yes and no? _____

4. Do you think that the readers of the sports magazine who responded to this survey play sports more often, less often, or about the same amount of time as the students in your school? Explain.

5. Circle graphs on journal page 30 show how boys and girls responded to a survey about boys playing on girls' teams and girls playing on boys' teams. Explain how girls' and boys' responses to the survey are alike and how they are different.

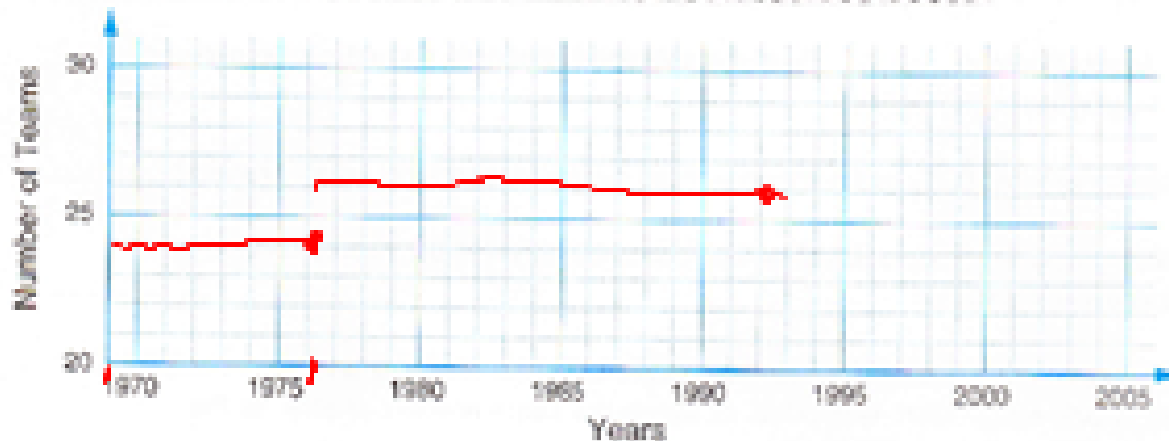
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Math Boxes



1. Make a step graph from the data in the table.

Years	1969–1976	1977–1992	1993–1997	1998–2005
Number of Major League Teams	24	26	28	30



2. According to the circle graph at the right:

- a. Which kind of peanut butter do most Americans prefer? _____
- b. Which kind do about $\frac{1}{3}$ of Americans prefer? _____
- c. About what percent of Americans prefer natural peanut butter? _____

Peanut Butter Survey

Source: *Accounting Avenue*

Your Number	1	2	3	4	5	6
Number of People	10	9	40	12	14	5

Does the median or mean best describe the typical size of the four groups shown in the table above? Explain.

4. Write the value of the digit 9 in each numeral below.

a. 401,297 _____

b. 1,927,387 _____

c. 4.95 _____

