



UNDERLYING SKILLS AND CONCEPTS:
make graphs;
interpret graphs

Interpret Double Bar Graphs



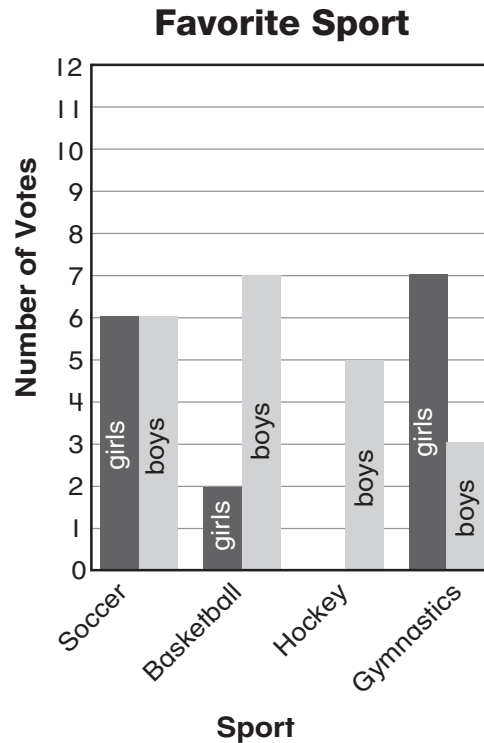
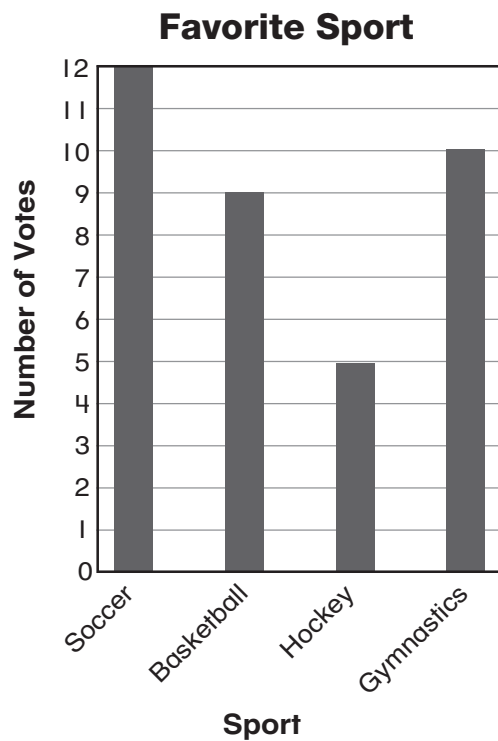
A double bar graph shows how different groups of people answered the same survey question.

A double graph has a key to show what each bar in a pair means.

You can add the values of the bars in each category to find out how many people voted for each choice.

EXAMPLE

What do the graphs show?



Both graphs show which sport students prefer.

How is the double bar graph different from the single bar graph?

It shows which sport girls and boys prefer.

Which sport do more girls than boys prefer?

Compare the bars for each choice. More girls prefer gymnastics.



PRACTICE



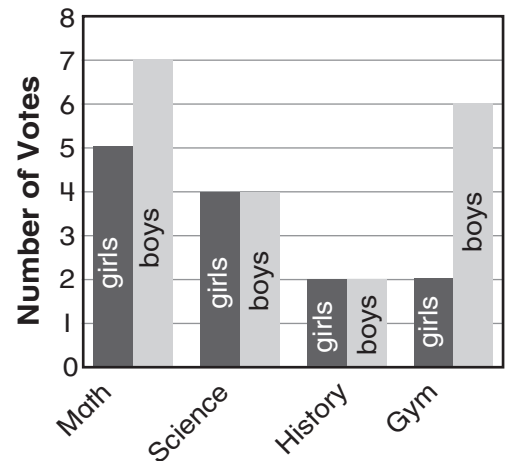
Use the double graph to answer the questions.

1. Which subject got the most votes?

2. Which subject do more girls like than boys?

3. How many students voted in all?

Favorite Subjects

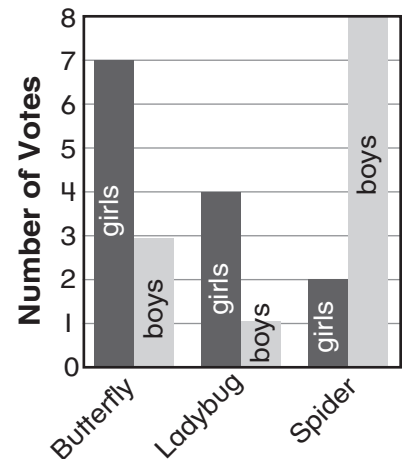


4. Which insect got the most votes?

5. Which insect do more boys like than girls?

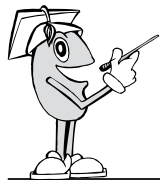
6. How many students voted in all?

Favorite Insect



7. Explain the difference between a single bar graph and a double graph.

Name _____



PRACTICE



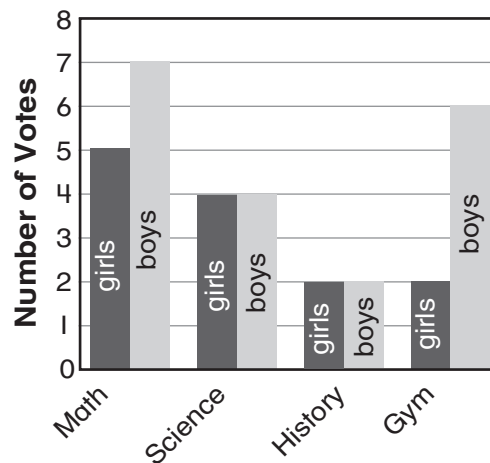
Use the double graph to answer the questions.

1. Which subject got the fewest votes?

2. Which subjects do the same number of girls and boys like?

3. How many girls voted in all?

Favorite Subjects

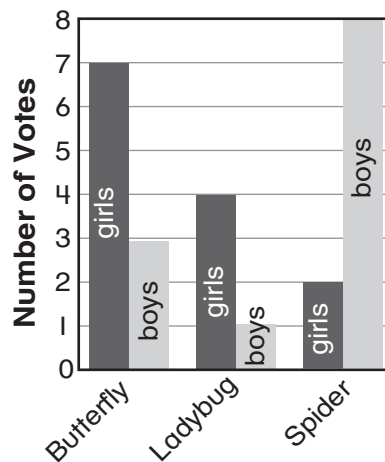


4. Which insect got the most votes from boys?

5. Which insects do more girls like than boys?

6. How many boys voted in all?

Favorite Insect



MATH REASONING

Interpreting Graphs

MR 2.3

7. When would you use a double bar rather than a single bar graph?



PRACTICE



Use the double graph to answer the questions.

1. Which subject got the most votes?

math

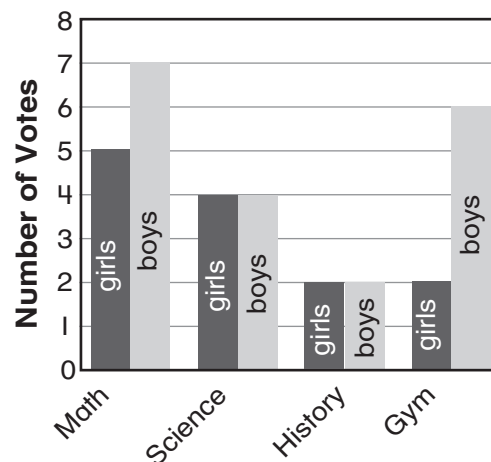
2. Which subject do more girls like than boys?

none of them

3. How many students voted in all?

32 students

Favorite Subjects



4. Which insect got the most votes?

butterflies and spiders

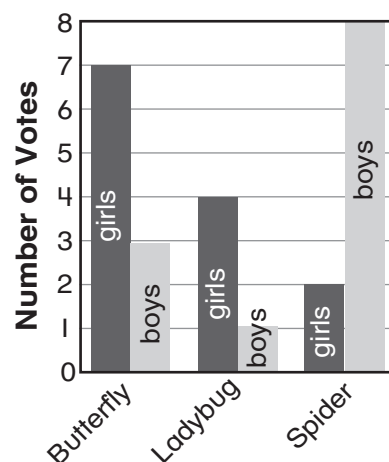
5. Which insect do more boys like than girls?

spiders

6. How many students voted in all?

25

Favorite Insect



MATH REASONING

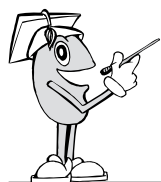
Misleading Graphs

MR 2.3

7. Explain the difference between a single bar graph and a double graph.

Possible answer: A single bar has one bar for each category and a double bar graph has two bars.

Name _____



PRACTICE



Use the double graph to answer the questions.

1. Which subject got the fewest votes?

history

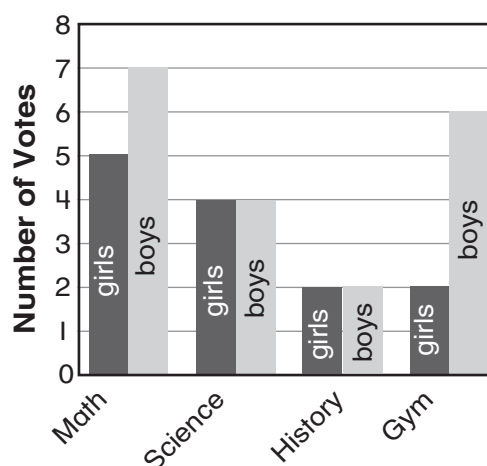
2. Which subjects do the same number of girls and boys like?

science and history

3. How many girls voted in all?

13 girls

Favorite Subjects



4. Which insect got the most votes from boys?

spiders

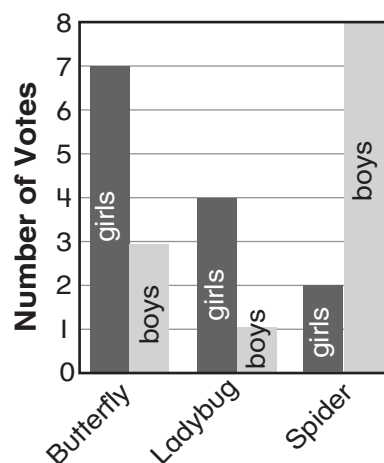
5. Which insects do more girls like than boys?

butterflies and ladybugs

6. How many boys voted in all?

12

Favorite Insect



MATH REASONING

Interpreting Graphs

MR 2.3

7. When would you use a double bar rather than a single bar graph?

Possible answer: When you have two categories of data you want to compare.