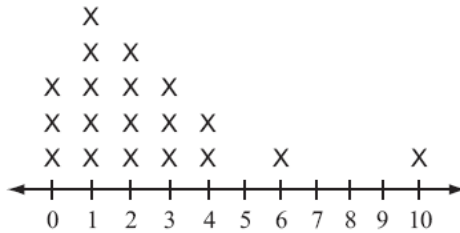


Fourth Grade Math For Today

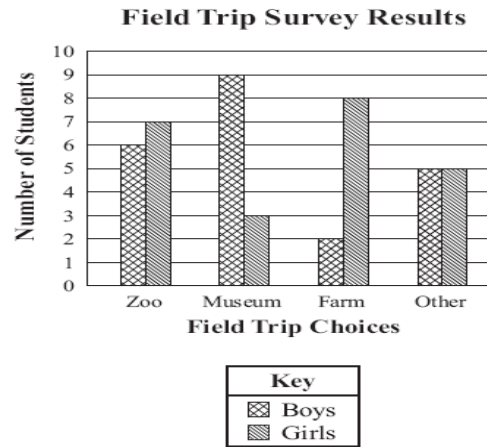
MONDAY

7 Ms. Ortega recorded the number of siblings (brothers and sisters) each student in her class has. Her data are shown on the line plot below.



Number of Siblings of Students
in Ms. Ortega's Class

What is the total number of students in Ms. Ortega's class who have **2 or fewer** siblings?



What question was asked to gather data for this graph?

Which survey question could have given the following results?

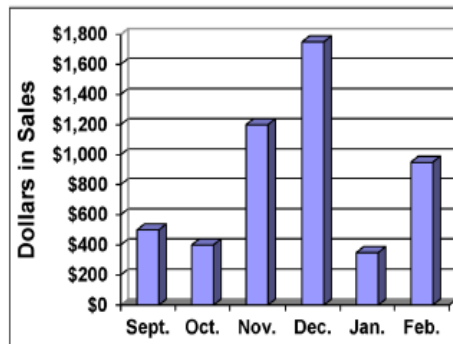
| Stem | Leaf |
|------|-------------|
| 0 | |
| 1 | 8 9 |
| 2 | 0 1 3 5 5 6 |
| 3 | 0 |

Key: 1|8 = 18

- A. How many brothers and sisters do you have?
- B. How many soft drinks do you usually drink in one day?
- C. How many students are in your class?
- D. How much do you weigh in pounds?

TUESDAY

Martin Magnet School needed new stage curtains and lights. The Drama Club held a six month long cookie dough sale to raise money for the project.



3. In how many months did the Drama Club have less than \$1,000 in sales?

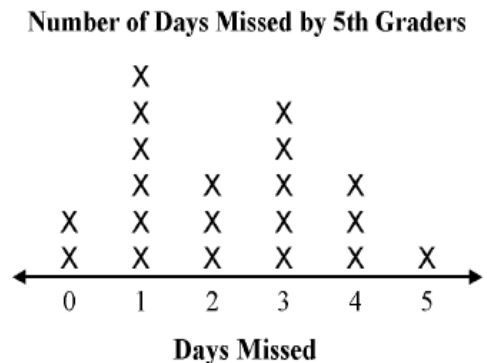
Joseph surveyed his 5th grade class for a class project. The results are shown on the frequency table below.

| | | | | | |
|-------|------|-------|--------|--------|-----|
| | | | | | X |
| | | X | X | | X |
| | | X | X | | X |
| X | | X | X | X | X |
| X | X | X | X | X | X |
| X | X | X | X | X | X |
| Green | Blue | Brown | Silver | Yellow | Red |

8. Which of the following is **most likely** the question that Joseph asked on his survey?

- A. What color are your eyes?
- B. What color is your family car?
- C. Do you like red, blue or green best?
- D. How many cars does your family own?

Tony surveyed some 5th grade students to find the number of school days each missed last year. He created this line plot from his data.



X = 1 student

9. According to the data, how many students were surveyed?

Fourth Grade Math For Today

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Hunter wants to graph the growth of his Great Dane puppy over the next 12 weeks. Which of the following is the **most appropriate** method for Hunter to collect and organize his data?

- A. weigh the puppy daily and record her weight on a line plot
- B. weigh the puppy weekly and record her weight on a line graph
- C. weigh the puppy monthly and record her weight on a double bar graph
- D. weigh the puppy yearly and record her weight on a stem-and-leaf plot

6 The chart below shows the number of college athletes who participated in four different sports in the academic year 1998–1999.

Sports Participation 1998–1999

| Sport | Women | Men |
|---------------|--------|--------|
| Indoor Track | 15,460 | 16,943 |
| Outdoor Track | 18,220 | 20,401 |
| Soccer | 17,520 | 18,238 |
| Basketball | 14,365 | 15,710 |

According to the chart, how many men and women participated in soccer in 1998–1999?

To raise money for a new computer, the students in Deidre's class sold boxes of pencils with different designs. The tally chart below shows the number of boxes of each design sold.

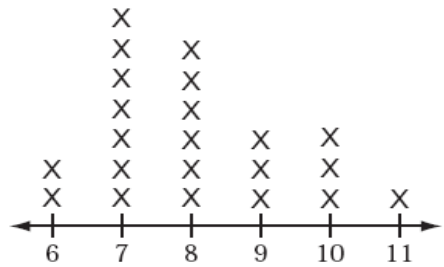
Boxes of Pencils Sold

| Design | Number of Boxes Sold |
|--------------|---------------------------------------|
| Balloons | ### ### ### ### ### |
| Flowers | ### |
| Soccer balls | ### ## ### |
| Dinosaurs | ### ### ### ### ### ### ### ### |

The class earned \$2 for each box of pencils sold. What was the total amount earned?

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13 The line plot below shows the numbers of books Marla's classmates read over the summer.



Marla read 8 books.
Based on the line plot, how many of her classmates read **fewer** books than Marla read?

3. The frequency table below shows how students in Ms. Wheeler's class voted to name their class pet.

Votes for Our Hamster's Name

| | | | | |
|---|---|---|---|---|
| X | | | | |
| X | | | | |
| X | | | | X |
| X | | | | X |
| X | X | | X | X |
| X | X | | X | X |
| X | X | X | X | X |

Spike Fuzzy Squirmy Snowball Happy

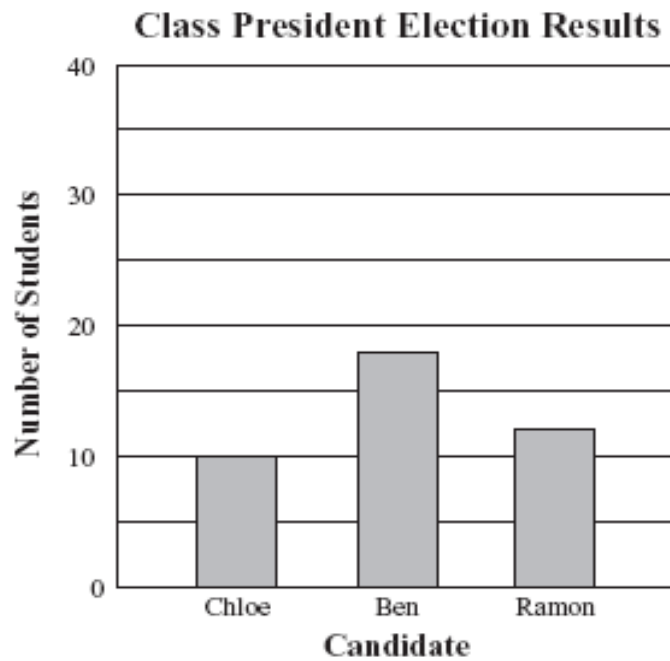
How many more students voted for Spike than for Fuzzy and Squirmy combined?

Use the table below to answer question 30.

| Inches of Rainfall in Oak Valley | | |
|----------------------------------|------|------|
| | Year | |
| | 1997 | 2001 |
| March | 8 | 6 |
| April | 12 | 10 |
| May | 10 | 11 |
| June | 7 | 6 |
| July | 5 | 2 |
| August | 1 | 0.5 |

30. Which month shown in the table above has the **most** rainfall for 1997 and 2001 combined?

- 10** Three candidates ran in the election for fifth-grade class president. The bar graph below shows the number of students who voted for each candidate.



- Based on the graph, how many students voted for Ben? Explain your reasoning.
- Based on the graph, what is the total number of students who voted in the election? Show or explain how you got your answer.
- A reporter for the school newspaper wrote that each candidate got less than 50% of the total number of votes. Is the reporter correct? Explain your reasoning.