Name _____

Interpreting Graphs — Pictographs

This pictograph shows the places Mr. Thomas's fourth grade students spent their summer vacation. Notice what each symbol stands for. Each line of the tally stands for one student. *Example: There is* ||||| || *next to California. There are seven lines all together. That means seven students went to California.*

California ||||| ||
Florida ||||
Colorado |||||
Stayed at home ||||| ||||| ||
Went to the country |||||	

Fill in the blanks.

1. | represents _____ student(s).

2. || represents _____ student(s).

3. ||| represents _____ student(s).

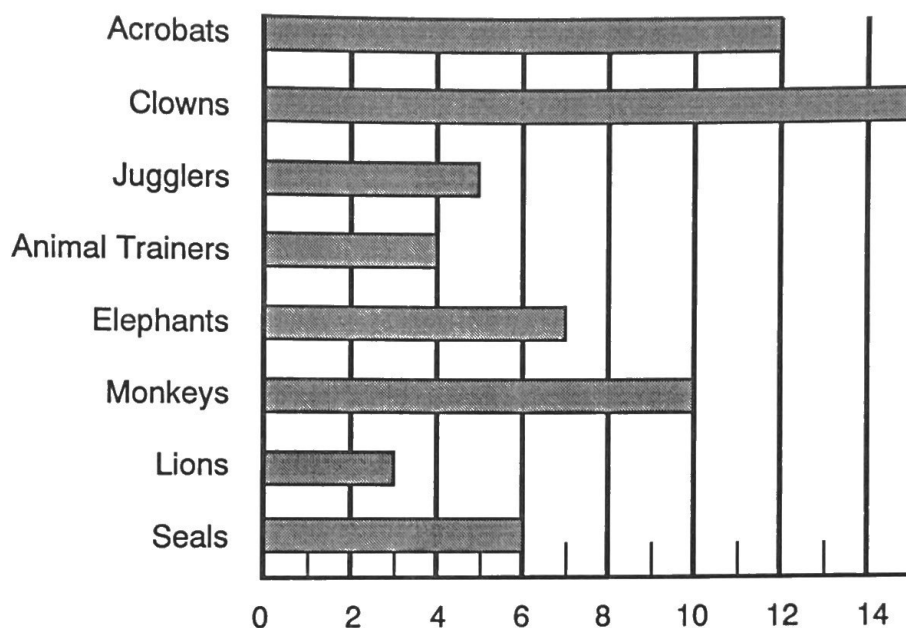4. |||| represents _____ student(s).

5. ||||| represents _____ student(s).

Use the pictograph to answer each question.

6. Where did the most students spend their vacation? _____

7. Where did the fewest students spend their vacation? _____

8. How many more students spent their vacation in the country than in Florida? _____

9. How many students spent their vacation either at home or in the country? _____

10. Add to the pictograph to show how you would like to spend your summer vacation.

Interpreting Graphs — Bar Graphs

After going to the circus, Mrs. Maple's class made a bar graph. Their graph shows the number of performers they saw. *Example: Look at the bar for lions. The end of the bar is halfway between 2 and 4. That means there were 3 lions in the circus.*
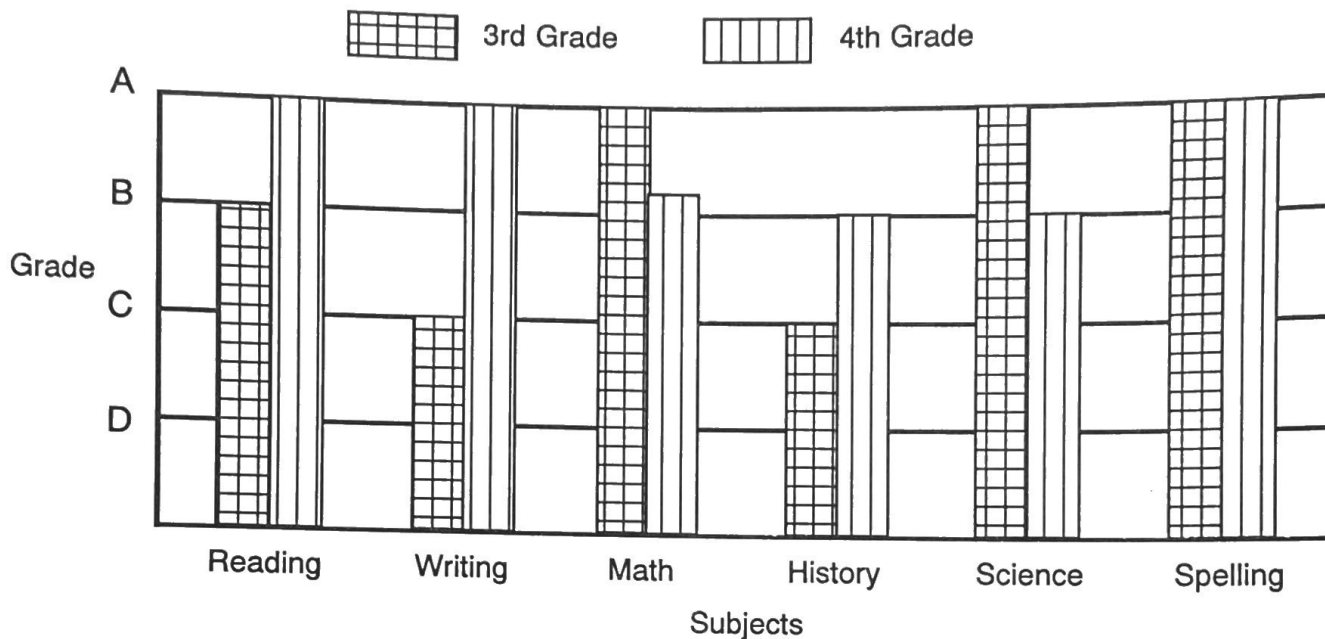
Acrobats
Clowns
Jugglers
Animal Trainers
Elephants
Monkeys
Lions
Seals

0   2   4   6   8   10   12   14

Use the bar graph to answer the questions.

1. Which performer did they see the most? _____

2. How many animals did the children see in all? _____

3. How many animal trainers were there? _____

4. How many more monkeys did the children see than seals? _____

5. Which did the children see more of, human performers or animal performers? _____

6. How many performers (including animals) did the children see? _____

7. During the show, the elephants were fed peanuts as rewards. Each elephant received 20 peanuts. How many peanuts did the trainer give altogether? _____

Interpreting Graphs — Double Bar Graphs

Morgan made a graph comparing her grades in third and fourth grade. The length of the bar shows Morgan's grades. The longer the bar, the better her grade. Notice that her grade in spelling didn't change.
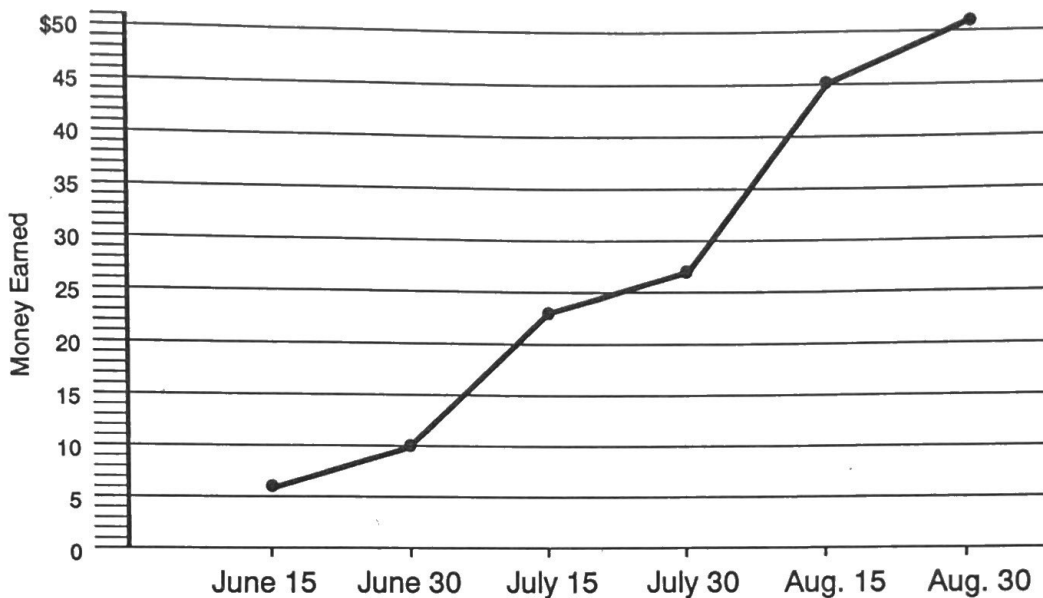

Use the double bar graph to answer the questions.

1. In which subjects did Morgan do better in fourth grade?

   _____

2. In which subjects did Morgan do worse in the fourth grade?

   _____

3. Which subjects were her best in third grade?

   _____

4. In how many subjects did Morgan get an A for fourth grade? _____

5. Looking at grades for both years, which subject do you think is Morgan's best subject? Why?

   _____

Interpreting Graphs — Line Graphs

Jason earned money during the summer. When his neighbors went on vacation, he watched and fed their animals. The line graph shows how much he earned. *Example: Look at how much Jason earned before June 15. The point looks a little bit over the five. So, Jason earned $6.00 by June 15. Look at the point for June 30. That looks like it's right on the ten. So Jason earned $10.00 by June 30. To find out how much Jason earned between June 30 and June 15, all you have to do is subtract:*

$10.00
- 6.00
$4.00

Money Earned — y-axis: $50, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0

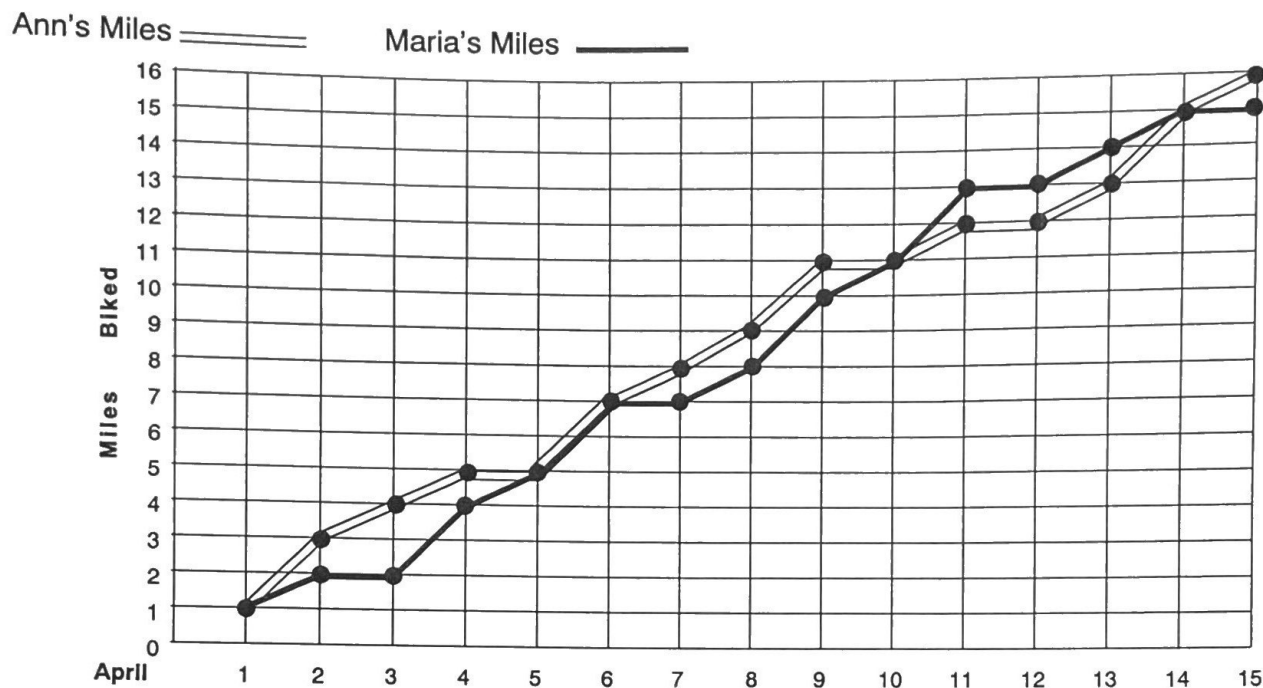x-axis: June 15, June 30, July 15, July 30, Aug. 15, Aug. 30

Use the graph to answer the questions.

1. How much money did Jason make over the summer? _____

2. How much money did Jason make by July 15? _____

3. How much money did Jason make between June 30 and July 15? _____

4. How much money did Jason make between August 15 and August 30? _____

5. Between which two dates did Jason earn the most money? _____

6. How much more money had Jason earned by August 15 than by July 15? _____

7. When do you think most of Jason's neighbors went on vacation? _____

   Why do you think that?

Name _____

Interpreting Graphs — Line Graphs

Ann and Maria like to ride their bicycles. They decided to keep track of the number of miles they ride. This graph shows the number of miles each girl rode during the first half of April. *Example: Look at April 6. Both girls had ridden 7 miles each. But on April 7, Ann rode another mile and Maria didn't ride at all.*

Ann's Miles ═════   Maria's Miles ━━━━

Use the graph to answer the questions.

1. How do you know which line represents Ann's miles and which represents Maria's miles?

    _____

2. How many miles did Ann bike in the first 15 days of April? _____

3. How many miles did Maria bike in the first 15 days of April? _____

4. How many days during this time did Maria and Ann bike the same number of miles?

    _____

5. How many days did it take Ann to bike 16 miles? _____

6. How many days was Maria ahead of Ann in the number of miles she had ridden?

    _____

7. How many days did Ann not ride at all? _____

8