Do You Understand?

1. In the bar graph on the previous page, the top of which bar is between grid lines? Why is it like that?

2. Generalize The zoo is expecting another adult orangutan named Hal. Based on the data on the previous page, is 2.4 meters a reasonable prediction for Hal’s height? Explain.

Do You Know How?

In 3, use the data in the table to make a bar graph.

<table>
<thead>
<tr>
<th>Season</th>
<th>Number of Birthdays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>9</td>
</tr>
<tr>
<td>Spring</td>
<td>11</td>
</tr>
<tr>
<td>Summer</td>
<td>6</td>
</tr>
<tr>
<td>Winter</td>
<td>4</td>
</tr>
</tbody>
</table>

3. 

In 4–7, use the bar graph.

4. How many more points did the Tigers score in Game 6 than in Game 5?

5. Construct Arguments Did the team score twice as many points in Game 2 as in Game 3? Explain.

6. Generalize About how many points might the Tigers score in Game 7?

7. Do you think the data were collected by taking a survey, observing, or doing an experiment? Explain.
8. **Model with Math** Make a bar graph of the data.

9. **Construct Arguments** Does Lincoln have twice as many students as Tri-County? Explain.

10. How does the graph show that no district has less than 20,000 students?

11. **Higher Order Thinking** The number of students in Lincoln is about what percent of the number of students in the 4 school districts combined? Explain.

12. The table shows the results of a survey on students’ favorite water sports. Use the data to make a bar graph.