Eighteen people voted for their favorite instrument. The results are shown in the two graphs below. How many people voted for guitar?

A picture graph uses different pictures to represent each vote.

A pictograph, or scaled picture graph, uses the same symbol to represent more than one vote.

♩ = 2, so $2 \times 3 = 6$

6 people voted for guitar.

Practice

1. Display the set of data in a pictograph. Then write a sentence that interprets the data.

## How I Get to School

<table>
<thead>
<tr>
<th>Method</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walk</td>
<td>5</td>
</tr>
<tr>
<td>Car</td>
<td>8</td>
</tr>
<tr>
<td>Bus</td>
<td>12</td>
</tr>
</tbody>
</table>

Sample answer: The least number of students walk to school.
2. Display the set of data in a pictograph. Write a sentence that interprets the data.

**Dulaney Horse Farm**

<table>
<thead>
<tr>
<th>Horse</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appaloosa</td>
<td>16</td>
</tr>
<tr>
<td>Mustang</td>
<td>8</td>
</tr>
<tr>
<td>Clydesdale</td>
<td>10</td>
</tr>
</tbody>
</table>

Sample answer: The Dulaney Horse Farm has 34 horses altogether.

**Problem Solving**

3. **Mathematical PRACTICE 2** Understand Symbols A pictograph key shows 3 symbols. Each symbol represents 7 hikers in the mountains. How many hikers are in the mountains altogether?

21 hikers

**Vocabulary Check**

Choose the correct word(s) to complete each sentence.

- picture graph
- pictograph
- key
- analyze
- interpret

4. To [underline]analyze[/underline], is to read or study the data on a graph.

5. The [underline]key[/underline] in the graph tells how many each symbol stands for.

6. A [underline]pictograph[/underline] uses the same symbol to represent more than one vote or tally.

**Test Practice**

7. A pictograph key shows that each symbol equals 6 movies. How many symbols equal 18 movies?

- 2 symbols
- 3 symbols
- 4 symbols
- 5 symbols