Creating a Line Plot

The tables below show children that signed up for Summer Soccer Camp. Campers will be divided into two separate groups: boys and girls.

<table>
<thead>
<tr>
<th>Student</th>
<th>Age</th>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liam</td>
<td>8</td>
<td>M</td>
</tr>
<tr>
<td>Penelope</td>
<td>10</td>
<td>F</td>
</tr>
<tr>
<td>Ethan</td>
<td>11</td>
<td>M</td>
</tr>
<tr>
<td>Abdul</td>
<td>10</td>
<td>M</td>
</tr>
<tr>
<td>Logan</td>
<td>11</td>
<td>M</td>
</tr>
<tr>
<td>Grace</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sadie</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Darla</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matthew</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Age</th>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emma</td>
<td>11</td>
<td>F</td>
</tr>
<tr>
<td>Darius</td>
<td>8</td>
<td>M</td>
</tr>
<tr>
<td>Olivia</td>
<td>11</td>
<td>F</td>
</tr>
<tr>
<td>Nora</td>
<td>10</td>
<td>F</td>
</tr>
<tr>
<td>Ella</td>
<td>8</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tamako</td>
<td>8</td>
<td>F</td>
</tr>
<tr>
<td>Mason</td>
<td>10</td>
<td>M</td>
</tr>
</tbody>
</table>

Using the information in the tables above, create two Line Plots. The first one should be titled, “Ages of Children in the Girls' Camp.” The second one should be titled, “Ages of Children in the Boys' Camp.”

Be sure each line graph includes:
- a title (Write your title below the graph.)
- a number line (Use a ruler to make a perfectly straight line.)
- a scale of ages (Use evenly spaced numbers.)
- data plots (These might be dots or x's.)

Super Teacher Worksheets - www.superteacherworksheets.com
Creating a Line Plot

Using the data on the previous page, create two line plots.
Reading a Line Plot

Use the data on your line plots to answer the questions.

1. Are there more 8-year-old girls or 8-year-old boys attending Soccer Camp? ________________

2. How many girls are 10, 11, or 12 years old? ________________

3. How many boys are 7 years old? ________________

4. How many boys are over 7 years old? ________________

5. The camp counselor wants to divide the boys into two groups. The first group is 8-, 9-, and 10-year-olds. The second group is 11- and 12-year-olds. Which group has more children in it? ________________

6. Which statement about the boy's group is true?
   a. All of the boys are more than 9 years old.
   b. There are more 10-year-olds than 11-year-olds.
   c. The oldest boy in this group is 11.
   d. There are more 10-year-olds than 9-year-olds.

7. Which statement about the girls' group is true?
   a. There are twice as many 12-year-old girls as there are 11-year-old girls.
   b. There are three 9-year-old girls.
   c. Half of the girls are 10 years old.
   d. The youngest girl in the group is 7 years old.
Creating a Line Plot

Using the data on the previous page, create two line plots.

Ages of Children in the Boys’ Camp (Years)
Use the data on your line plots to answer the questions.

1. Are there more 8-year-old girls or 8-year-old boys attending Soccer Camp?
   - 8-year-old girls

2. How many girls are 10, 11, or 12 years old?
   - 9 girls

3. How many boys are over 7 years old?
   - 10 boys

4. How many more 10-year-old girls are there than 9-year-old girls?
   - 6 more

5. How many more 10-year-old girls are there than 10-year-old boys?
   - 4 more

6. The camp counselor wants to divide the boys into two groups.
   The first group is 8-, 9-, and 10-year-olds. The second group is 11- and 12-year-olds. Which group has more children in it?
   - both groups are equal; each group has 6 boys

7. Which statement about the boy’s group is true?
   - D
     a. All of the boys are more than 9 years old.
     b. There are more 10-year-olds than 11-year-olds.
     c. The oldest boy in this group is 11.
     d. There are more 10-year-olds than 9-year-olds.

8. Which statement about the girls’ group is true?
   - C
     a. There are twice as many 12-year-old girls as there are 11-year-old girls.
     b. There are three 9-year-old girls.
     c. Half of the girls are 10 years old.
     d. The youngest girl in the group is 7 years old.