1. **Number of Mice Born by Week**

   According to the graph, how many mice will be born in week 5 if the trend continues?

2. Jeb has decided to start an aquarium. At the pet store, Jeb learns that every aquarium should be comprised of a certain percentage of different things, such as water, rocks, plants, and filters. Which of these would be the best way to illustrate the information about what aquariums should contain?
   - a. table
   - b. circle graph
   - c. line graph
   - d. bar graph

3. **Bass Fishing Online Magazine Subscription 2008 - 2011**

<table>
<thead>
<tr>
<th>Age</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-35</td>
<td>8,700</td>
<td>6,320</td>
<td>6,895</td>
<td>7,119</td>
</tr>
<tr>
<td>35-50</td>
<td>7,233</td>
<td>7,000</td>
<td>8,778</td>
<td>9,654</td>
</tr>
<tr>
<td>50-65</td>
<td>4,002</td>
<td>3,822</td>
<td>6,200</td>
<td>6,620</td>
</tr>
<tr>
<td>65-80</td>
<td>1,041</td>
<td>890</td>
<td>1,118</td>
<td>1,297</td>
</tr>
</tbody>
</table>

   In which year was there a decline in subscriptions in all four age groups?

4. **Fund Raising**

   The 7th Grade band raised a total of $2,440 during their fund-raising events. How much money was raised at the bake sale?
5. A clothing company used this graph to relate sales to profit.

What amount of sales, in dollars, generated $3500 in profits?

6. **Company Sales**

   ![Graph showing sales in dollars over time](image)

   **Number of Hours Spent Playing Video Games**

   ![Bar graph showing hours per week](image)

   How many more students play video games 16-20 hours per week than 1-5?

7. **Sales of Tablets**

   ![Bar graph showing sales by month](image)

   The manager of a store used this graph to show a large increase in tablet sales recently.

   Why is the graph misleading?

8. **Plant Growth**

   ![Line graph showing plant growth over weeks](image)

   This line graph shows the height of two plants that Samantha grew for four weeks.

   During which week were the plants the same height?
9. Spelling Words Practiced

On what days did Nyla practice 5 times as many words as she did on Monday?

10. What pattern does the graph show?
   A For every pizza sold, the school earns $1.00.
   B For every pizza sold, the school earns $2.00.
   C For every pizza sold, the school earns $3.00.
   D For every pizza sold, the school earns $4.00.

11. FAVORITE DISNEY MOVIE

What percentage of students picked either Frozen or Wall-E as their favorite Disney movie?

12. Print Shop Prices

Based on the graph, what is the unit price at the print shop? (What is the cost for one page?)
13. Three local newspapers distributions are shown in the graph. Which statement about the papers is TRUE?

A. The circulation of The Sentinel is twice that of The Times.
B. The circulation of The Herald is twice that of The Sentinel.
C. The circulation of The Herald is twice that of The Times.
D. The Sentinel has the largest circulation of the three papers.

14. The graph shows the number of vacation days earned per month of work. How many vacation days will Cole earn for 6 months of work?

15. Group of People | Total | Milk | Water | Soda | Juice
--- | --- | --- | --- | --- | ---
Teachers | 25 | 10 | 10 | 4 | 1
Parents | 28 | 14 | 9 | 5 | 0
H.S. Students | 15 | 3 | 4 | 6 | 2
M.S. Students | 35 | 20 | 3 | 10 | 2

Which group prefers to drink soda with their food?

16. Which set of results, in number of students, could the circle graph represent?

A. Hip Hop: 120, Rap: 30, Pop: 150
B. Hip Hop: 60, Rap: 50, Pop: 90
C. Hip Hop: 72, Rap: 48, Pop: 120
D. Hip Hop: 32, Rap: 48, Pop: 80
17. Mrs. Brown’s English Class

<table>
<thead>
<tr>
<th>Number of Siblings per Student</th>
<th>Number of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

How many students have more than 1 sibling?

18. A health clinic has a staff of 6 doctors, 8 nurses, 2 technicians, and 4 office support workers. Which circle graph represents these figures?

19. (How much does it cost for 1 lb. of fudge?)

What is the unit rate for the cost of a fudge at the candy store?

A. $0.50 per pound
B. $1.00 per pound
C. $2.00 per pound
D. $4.00 per pound

20. Marathon Math

Amanda solved 15 questions correctly. How many other students correctly solved a number of problems that fell within the same interval?
21. Number of Hours Spent Playing Video Games

How many students participated in this survey?

22. Print Shop Prices

How much would it cost to get 11 pages printed at the print shop?

23. Leah's Flower Garden

The table shows the type and color of flowers Leah planted in her garden.

What type of flower did Leah plant the most?

<table>
<thead>
<tr>
<th>Flower</th>
<th>Pink</th>
<th>Purple</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daffodil</td>
<td>16</td>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>Iris</td>
<td>21</td>
<td>26</td>
<td>43</td>
</tr>
<tr>
<td>Lily</td>
<td>14</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>Petunia</td>
<td>24</td>
<td>30</td>
<td>9</td>
</tr>
<tr>
<td>Rose</td>
<td>7</td>
<td>0</td>
<td>5</td>
</tr>
</tbody>
</table>

24. Marathon Math

Which question cannot be answered by looking at the histogram?

A. How many students solved 29 or more problems correctly?
B. How many students solved 30-39 problems correctly?
C. How many students solved 20-49 problems correctly?