Venn Diagram - With Universal Set

Read each Venn diagram and answer the questions that follow.

1) The Venn diagram below represents the students in Grade 5 who have enrolled for the school Soccer (S) and /or Baseball (B) summer camps.

\[
\begin{array}{ccc}
& S & B \\
12 & 4 & 16 \\
5 & & \\
\end{array}
\]

a) What is the total strength of Grade 5? 

b) How many students have not enrolled for the summer camps? 

c) How many students of Grade 5 have enrolled for the baseball camp? 

2) The Venn diagram displays the number of customers who ordered chicken nuggets (C) and French fries (F) at Joe’s diner on a Saturday evening.

\[
\begin{array}{ccc}
& C & F \\
31 & 15 & 47 \\
9 & & \\
\end{array}
\]

a) How many customers placed orders for French fries alone? 

b) How many customers chose to order something else on the menu? 

c) How many customers in all did Joe's diner serve on Saturday evening?
Read each Venn diagram and answer the questions that follow.

1) The Venn diagram below represents the students in Grade 5 who have enrolled for the school Soccer (S) and /or Baseball (B) summer camps.

<table>
<thead>
<tr>
<th>S</th>
<th>B</th>
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<tbody>
<tr>
<td>12</td>
<td>4</td>
</tr>
<tr>
<td>16</td>
<td>5</td>
</tr>
</tbody>
</table>

a) What is the total strength of Grade 5? ___________ 37 students 
b) How many students have not enrolled for the summer camps? ___________ 5 students 
c) How many students of Grade 5 have enrolled for the baseball camp? ___________ 20 students 

2) The Venn diagram displays the number of customers who ordered chicken nuggets (C) and French fries (F) at Joe’s diner on a Saturday evening.

<table>
<thead>
<tr>
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<th>F</th>
</tr>
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<tbody>
<tr>
<td>31</td>
<td>15</td>
</tr>
<tr>
<td>47</td>
<td>9</td>
</tr>
</tbody>
</table>

a) How many customers placed orders for French fries alone? ___________ 47 customers 
b) How many customers chose to order something else on the menu? ___________ 9 customers 
c) How many customers in all did Joe’s diner serve on Saturday evening? ___________ 102 customers