1. The chart below shows the number of magazines sold by each student.

<table>
<thead>
<tr>
<th>Student</th>
<th>Ben</th>
<th>Rachel</th>
<th>Jeff</th>
<th>Stanley</th>
<th>Debbie</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magazines Sold</td>
<td>300</td>
<td>250</td>
<td>100</td>
<td>450</td>
<td>600</td>
</tr>
</tbody>
</table>

a. Use the chart to draw a bar graph below. Create an appropriate scale for the graph.

b. Explain why you chose the scale for the graph.

c. How many fewer magazines did Debbie sell than Ben and Stanley combined?

\[
\frac{300 + 450}{750} - \frac{600}{100} = 100 \text{ fewer magazines than Ben and Stanley combined.}
\]

d. How many more magazines did Debbie and Jeff sell than Ben and Rachel?

\[
\frac{600 + 100}{700} - \frac{300 + 250}{550} = 150 \text{ more magazines than Ben and Rachel.}
\]
2. The bar graph shows the number of visitors to a carnival from Monday through Friday.

![Carnival Visitors Graph]

Number of Visitors

<table>
<thead>
<tr>
<th>Day</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>340</td>
<td>300</td>
<td>400</td>
<td>240</td>
<td>360</td>
</tr>
</tbody>
</table>

a. How many fewer visitors were there on the least busy day than on the busiest day?

\[
\frac{340}{400} \quad \text{There were 240 fewer visitors on the least busy day than on the busiest day.}
\]

b. How many more visitors attended the carnival on Monday and Tuesday combined than on Thursday and Friday combined?

\[
\frac{340 + 300}{640} \quad \frac{514}{80} \quad \frac{370 + 190}{560} \quad 80 \text{ more visitors attended the carnival on Monday and Tuesday than on Thursday and Friday.}
\]