1. Mr. Sobieski asked his class to vote on where they would most like to go on a field trip. The choices he gave them were: history museum, science museum, art gallery, and nature preserve. All 30 students cast one vote each. The pie graph below shows the results.

- History Museum: 30%
- Science Museum: 10%
- Art Gallery: 10%
- Nature Preserve: 50%

a. Fill in the table below

<table>
<thead>
<tr>
<th>Destination</th>
<th>Number of Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature Preserve</td>
<td></td>
</tr>
<tr>
<td>History Museum</td>
<td></td>
</tr>
<tr>
<td>Science Museum</td>
<td></td>
</tr>
<tr>
<td>Art Gallery</td>
<td></td>
</tr>
</tbody>
</table>

b. How many more student chose history museum than science museum?

c. How many students chose Nature preserve or art gallery?
2. George asked his class mates about their favorite seasons, he made a circle graph of the results

- Winter
- Summer
- Spring
- Autumn

a. What percentage of George’s class mates said winter was their favorite season?
b. What percentage of George’s class mates said summer was their favorite season?
c. What fraction chose winter as their favorite season?
d. What fraction chose spring as their favorite season?
e. What percentage chose winter or summer as their favorite season?
f. If George surveyed 20 class mates how many of them chose summer?
g. If George surveyed 32 students how many chose autumn?
1. Mr. Sobieski asked his class to vote on where they would most like to go on a field trip. The choices he gave them were: history museum, science museum, art gallery, and nature preserve. All 30 students cast one vote each. The pie graph below shows the results.

![Pie chart showing vote results]

a. Fill in the table below

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<tbody>
<tr>
<td>Nature Preserve</td>
<td>15</td>
</tr>
<tr>
<td>History Museum</td>
<td>9</td>
</tr>
<tr>
<td>Science Museum</td>
<td>3</td>
</tr>
<tr>
<td>Art Gallery</td>
<td>3</td>
</tr>
</tbody>
</table>

b. How many more student chose history museum than science museum? 6

c. How many students chose Nature preserve or art gallery? 18
2. George asked his classmates about their favorite seasons, he made a circle graph of the results

a. What percentage of George’s classmates said winter was their favorite season? 25

b. What percentage of George’s classmates said summer was their favorite season? 50

c. What fraction chose winter as their favorite season? \( \frac{1}{4} \)

d. What fraction chose spring as their favorite season? \( \frac{1}{8} \)

e. What percentage chose winter or summer as their favorite season? 75

f. If George surveyed 20 classmates how many of them chose summer? 10

g. If George surveyed 32 students how many chose autumn? 4