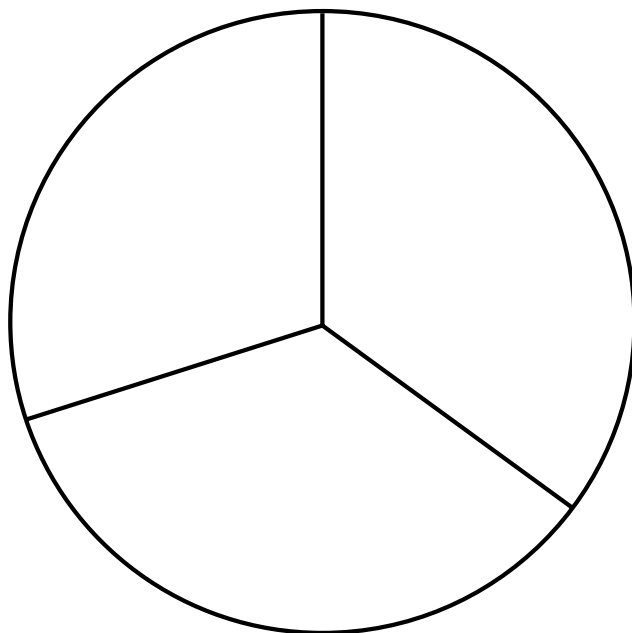


Creating and Interpreting Graphs

Many people have pets. One survey of pet owners showed the following breakdown of the type of pets owned: 35% dogs; 35% cats; 10% birds; 5% hamsters, gerbils, mice, rats; 5% reptile; and 10% other.

1. Copy the incomplete circle graph below on your paper. Complete the graph using the survey data. Estimate the angle of each section of your completed circle graph. Give your graph a title and label what each section of the graph represents.
2. Explain how viewing the graph conveys information to the reader more quickly than reading the list of data.



ANSWERS

1. The students should complete the circle graph using the given data. Each section should be labeled. Students should not be assessed on the accuracy of their angles.

2. Using the graph, the reader can quickly see relationships and comparisons of the data. For example, the reader can see from the graph that dogs and cats represent the largest groups of pets. This information is more readily apparent in graphical form than in list form.