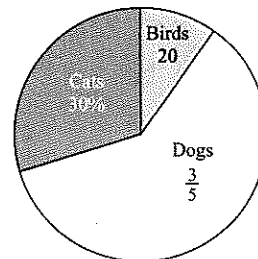


Lesson 15C ~ Probabilities and Data Displays

Name _____ Period _____ Date _____

1. Bryan randomly asked several students which type of animal they had at home as a pet. The results are in the pie chart below.

- What percent of the students had dogs?
- What percent of the students had birds?
- How many total students did Bryan interview?



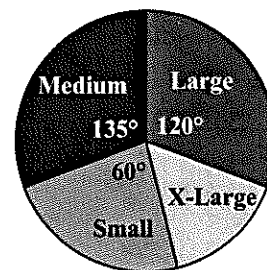
2. Marvin was in charge of ordering sodas for the class fundraiser. He made a circle graph to show the number of each size of soda. However, he accidentally put his work in the graph showing the degree measures he used to make the chart instead of the number of sodas he needed and he threw away his original paper showing the number of each. Help him figure out how many of each size of soda he needs to order by answering the questions below.

- Fill in the chart to show the percent of each size of soda Marvin needs to order.

Size	Small	Medium	Large	Extra Large
Percent of Students				

- If there are 96 students ordering sodas next week, how many of each size soda does Marvin need to order?

Size	Small	Medium	Large	Extra Large
Number of Students				



3. The histogram to the right shows the number of students in a PE class with their mile running times.

- How many students are in the PE class?
- Which interval would have the time 8 minutes?
- In which interval of time did most students finish?
- Find the probability a random student chosen ran with a time between 6 and 7 minutes.
- The teacher teaches a total of 120 students in all PE classes. Predict how many students will run between 6 and 7 minutes.

