1A.5 **Learning Opportunity** Name: _____

Frequency Tables and Pictographs

1) Ink has been spilled on a corner of the pictograph below. The ink is obscuring part of the Bengals data, but the data for all other teams is visible. If the mean number of touchdowns is 20.5, how many touchdowns did the Bengals score?

Touchdowns Scored in One Season

Rams	
Panthers	
Steelers	
Broncos	
Jets	
Bengals	

= 4 touchdowns

2) Ten students were surveyed to find out how many miles they travel to school each day. The results are listed in the table.

Number of miles	1	2	3	4	5
Number of responses	4	2	1	2	1

Find the mode number of miles traveled to school.

Find the mean number of miles traveled to school.

If four additional students were surveyed and the mode became 2 miles, what does that tell you about the responses of the four students?

3) Six children were surveyed on the number of pets they have.
Three children had no pets, two children had one pet, and one child had four pets.
Which measure of the data (mean, median, mode, or range) is represented by 1 pet?

4) Which food listed contains the most sodium? How much sodium does it contain?

Amount of Sodium in Some Foods

Pizza (1 slice)	
Tomato juice (1 cup)	
Pita bread (1 pocket)	
Potato salad (1 cup)	
Carrot cake (1 slice)	

Key: = 100 mg

5) Dog food packaged by a machine in 20 lb. bags varies slightly in actual weight. Use the frequency table to answer the questions below.

Weight (pounds)	Frequency
19.6	1
19.7	6
19.8	7
19.9	4
20.0	9
20.1	13
20.2	8
20.3	1
20.4	1

If a 0.2 lb. weight difference from the target weight is acceptable, how many bags were defective?

Are customers more likely to get more dog food than they paid for or less?

What is the range of weight?

What is the mode weight?

What is the median weight?