

Extended Response Objective

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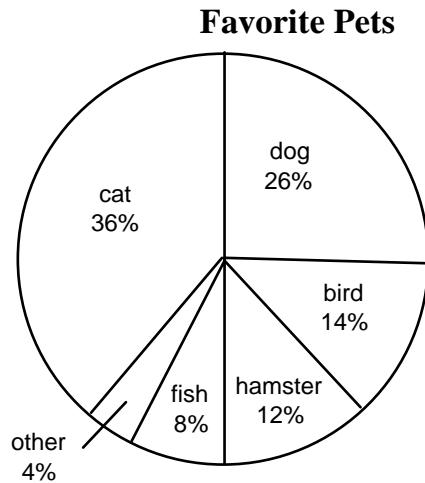
Dunham
Fifth-grade class
Advantage Learning

Circle graph, bar graph, table, percent

Form Number 109

Andrea Bain

1. Ms. Takahata's science class asked 84 students to name their favorite pet. The results are shown in the circle graph below:



- a. Use the circle graph to make a table that displays how many students like each type of pet. Round the answers to a whole number.

- b. Explain how to find the percent of a number.

- c. Graph the information from the table in a bar graph.

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l.)

d. How many students in all named either a cat or a dog as their favorite pet?

e. What pet was named by about $\frac{1}{4}$ of the students? How do you know?

f. Less than what percent named a snake as their favorite pet?

Teacher's Extended Response Objective Answer Key

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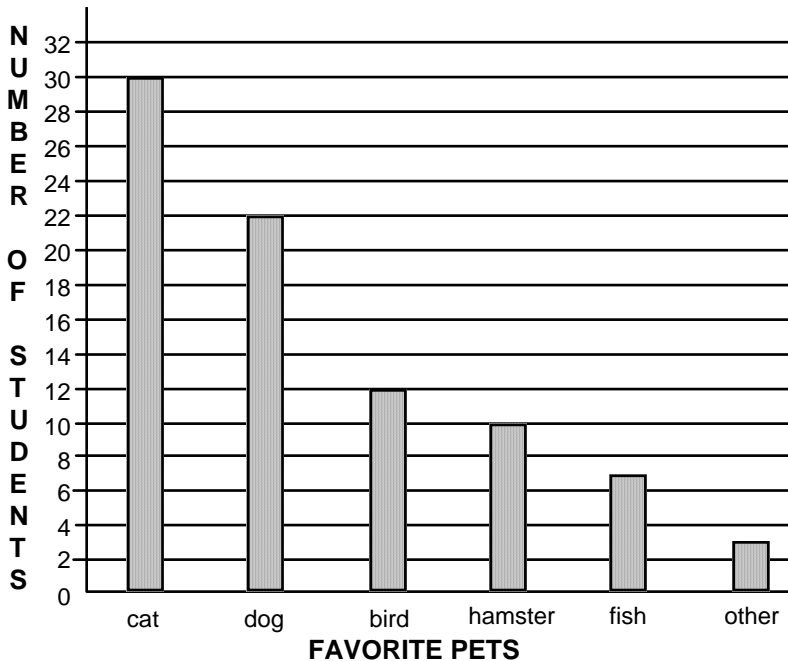
Circle graph, bar graph, table, percent

a.

Type of Pet	Number of Students
cat	30
dog	22
bird	12
hamster	10
fish	7
other	3

b. Possible explanation: First change the percent to a decimal by moving the decimal point two places to the left. Multiply the number by the decimal to find the percent of a number.

c.



d. 52 students

e. dog; Possible answer: $\frac{1}{4}$ is 25% and 26% of the students named the dog.

f. 4 percent

1]

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Student Gives Correct Answer <ul style="list-style-type: none">• All answers correct• Majority of answers correct• Incorrect answer or no answer	2 pts 1 pt 0 pts	
Student Uses Appropriate Solution Strategy <ul style="list-style-type: none">• Shows steps used to solve problem• Little or no work shown	1 pt 0 pts	
Student Communicates Understanding <ul style="list-style-type: none">• Organized explanation of how answer was derived• Shows only partial understanding• Inappropriate response	2 pts 1 pt 0 pts	
Total Possible Points	5 pts	