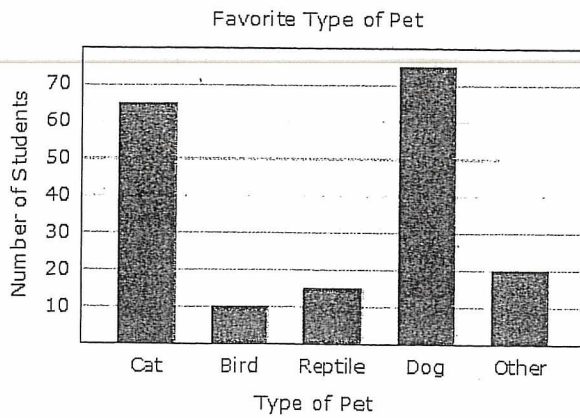


SHOW THE STRATEGY USED TO SOLVE

14. Camden asked a group of sixth graders to pick their favorite pet from the categories cat, bird, reptile, dog, and other. The results of his survey are shown in the graph.

TUESDAY Homework

Answer 150



Based on the results, how many students in a class of 1,110 students would be expected to choose a reptile or a bird as their favorite pet?

10. Amy found an old-fashioned lemonade recipe that uses 1 cup of lemon juice for every 6 cups of water. Rebecca found a recipe that uses  $1\frac{1}{4}$  cups of lemon juice for every  $7\frac{1}{2}$  cups of water. Which statement about the two recipes is true?

- F. Amy's lemonade has a greater ratio of lemon juice to water than Rebecca's recipe. Amy's lemonade will have a stronger lemon flavor.
- G. Rebecca's lemonade has a greater ratio of lemon juice to water than Amy's recipe. Rebecca's lemonade will have a stronger lemon flavor.
- H. It is not possible to tell which lemonade recipe will have a stronger lemon flavor.

J. The ratio of lemon juice to water is the same in both recipes. Answer J

Simplify the expressions below. Be sure to use order of operations and show each step.

11. $15 + 8^2 - (9 + 14)$	12. $(-12 + 4) \div (11 - 7)$	13. $16 + 6^2 - (9 \div 3)$
14. $\frac{7^2 - 13}{24 - 18}$	15. $(10 + 4)^2 - 25$	16. $(10 + 4^2) - 25$

# MONDAY HOMEWORK

Draw a line from each exponent form to the corresponding expanded form and standard form.

	EXPONENT FORM	EXPANDED FORM	STANDARD FORM
1.	$3^4 \cdot 7^2$	$3 \cdot 3 \cdot 3 \cdot 7 \cdot 7 \cdot 7$	3,969
2.	$2^3 \cdot 3^2$	$5 \cdot 5 \cdot 5 \cdot 7$	9,261
3.	$5^3 \cdot 7^1$	$3 \cdot 3 \cdot 3 \cdot 3 \cdot 7 \cdot 7$	648
4.	$9^2 \cdot 2^3$	$2 \cdot 2 \cdot 2 \cdot 3 \cdot 3$	875
5.	$7^3 \cdot 3^3$	$2 \cdot 2 \cdot 2 \cdot 9 \cdot 9$	72

Explain the error in each problem below.

1.

$$36 \div 3 + (3^2 \cdot 2)$$

$$36 \div 3 + 9 \cdot 2$$

$$36 \div 12 \cdot 2$$

$$3 \cdot 2$$

$$6$$


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2.

$$9^2 \div 3 - (6 \cdot 4)$$

$$27 - 6 \cdot 4$$

$$21 \cdot 4$$

$$84$$


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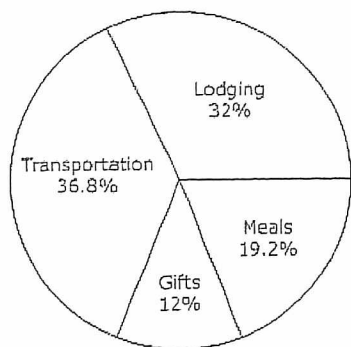
Write the work needed to solve. (Answer is given)

1. Which of the following is an equivalent rate to running 5.4 miles in 43.2 minutes?

- A. Running 8 mile in 0.645 minutes
- B. Running 1 mile in 0.8 minutes
- C. Running 10 miles in 21.6 minutes
- D. Running 3.5 miles in 28 minutes

**D**  
Answer

9. The diagram below shows Cameron's budgeted expenses for a trip he is planning.



Answer  
**\$1,250**

Cameron has budgeted \$240 for meals during his full trip. What is the total budget for the trip?

1. A school reporter surveyed a sample of sixth grade girls about their favorite Friday night activities. Sixty-five percent, or 39 girls, selected going to the movies as their favorite activity. How many girls did the reporter survey?

Answer  
**60**

NAME \_\_\_\_\_