

HINTS FOR SOLVING WORD PROBLEMS

1. Read the problem several times and decide what it is asking you to find. Underline this.
2. Assign a variable to this unknown that you are looking for.
3. Think mentally how the situation described in the problem could be represented mathematically.
4. Write this out in words.
5. Use symbols and variables to represent your words.
6. Solve the equation.
7. Write your answer in words or sentence form.

EXAMPLE:

Admission to Paradise Park is \$5.50. You will need to purchase tickets for rides. Ride tickets cost \$1.50 each. You have \$18.75 to spend. How many ride tickets can you buy?

Word Problems
Chapter 3

Name _____

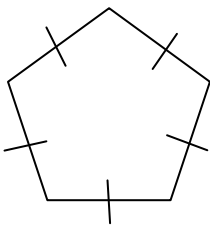
Instructions: Write an equation to represent each situation and solve.

1. A veterinary assistant holds a dog and steps on a scale. The scale reads 193.7 lb. Alone, the assistant weights 135 lb. Find the weight of the dog.

2. Suppose $\angle A$ and $\angle B$ are supplementary angels (sum is 180°). If the measure of $\angle A$ is 109° , what is the measure of $\angle B$?

3. Suppose you work as a carpenter's apprentice. You earn \$93.50 for working 17 hours. What is your hourly wage?

4. The Pentagon is the headquarters of the United States Department of Defense. Its shape is a regular pentagon, and its perimeter is about 1.6 km. How long is one side of the Pentagon?



5. An orange grower ships oranges in boxes that weigh 2 kg. Each orange weighs 0.2 kg. The total weight of a box filled with oranges is 10 kg. How many oranges are packed in each box?

6. Suppose you are helping to prepare a large meal. You can peel 2 carrots/min. You need 60 peeled carrots. How long will it take you to finish if you have already peeled 18 carrots?

7. One insurance policy pays people for claims by multiplying the claim amount by 0.8 and then subtracting \$500. If a person receives a check for \$4650, how much was the claim amount?

8. Tulip bulbs cost \$.75 each plus \$3.00 for shipping an entire order. You have \$14.00. How many bulbs can you order?

9. The sum of two consecutive integers is 17. Find the integers.

10. The sum of two consecutive odd integers is -36. Find the integers.