

SET ONE
1. Study Abraham's incorrect work.

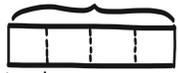


Name: Abraham

Draw a diagram to represent the problem. Solve. Write your answer in sentence form.

A student bought a new eraser for 84 cents. He also bought a new pencil case that cost 4 times as much as the eraser. How much did the pencil case cost in dollars?

Eraser = 84 cents



pencil case

$$\begin{array}{r} 21 \\ 4 \overline{)84} \\ \underline{-8} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

21 cents = \$0.21

The pencil case cost \$0.21



2. Answer these questions.

- 1. Given the word problem, why does Abraham's answer not make sense?
- 2. Draw a diagram to correctly represent the word problem.
- 3. Abraham used the wrong operation when solving this problem. Write a number sentence he could have used to solve this problem correctly.

3. Then complete this one.

Draw a diagram to represent the problem. Solve. Write your answer in sentence form.

At the bake sale, a teacher bought a cookie for 15 cents and a chocolate milk for 7 times as much. How much did the chocolate milk cost in dollars?

Multiplicative Comparison Problems (Part 2), continued

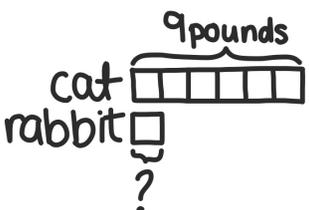
SET TWO

1. Study Heather's correct work.

Name: Heather

 Draw a diagram to represent the problem. Solve. Write your answer in sentence form.

A boy's cat weighs 6 times more than his rabbit. His cat weighs 9 pounds. How much does his rabbit weigh in ounces?

cat 

cat

$$\begin{array}{r} 5 \\ 16 \text{ ounces} \\ \times 9 \\ \hline 144 \text{ ounces} \end{array}$$

rabbit

$$\begin{array}{r} 24 \text{ ounces} \\ 6 \overline{)144 \text{ ounces}} \\ \underline{-12} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

His rabbit weighs
24 ounces.



2. Answer these questions.

-  Why is the diagram representing the cat's weight partitioned into 6 parts?
-  Given Heather's final answer, how many ounces does each part of her diagrams represent?

3. Then complete this one.

Draw a diagram to represent the problem. Solve. Write your answer in sentence form.

A girl's puppy weighs 8 times more than her guinea pig. Her puppy weighs 11 pounds. How much does her guinea pig weigh in ounces?