

Name: Class:

Dividing Decimals by Whole Numbers Word Problems

a.

Miss Benbucker is a baker. Last month, she bought 418.5 grams of oats. She divided it equally into 15 containers.

Find the quantity of oat in each container.

b.

In two years, a human hair grows to a total length of about 6.18 centimeters.

To the nearest hundredth, how many centimeters does a human hair grow per week?

c.

Higgs is a waitress, while on duty, customers consumed snacks worth \$13,402.27.

Assuming that each customer gave him a tip equal to 11% of the amount spent, how much is Higgs' tip amount valued to the nearest hundredth?

d.

Wilson bought 4 toy cars from **shop A** for \$47.44 and 5 from **shop B** for \$49.22.

What is the average amount of money did Wilson spend to get 1 troy car?

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a. Weight of oats = 418.5 grams,

Number of containers she divided the oats into = 15.

Therefore, quantity of oat in each container =

weight of oats ÷ number of containers she divided the oats into

$$\begin{array}{r} 27 \cdot 9 \\ 15 \overline{) 418 \cdot 5} \\ \underline{- 30} \downarrow \\ 118 \downarrow \\ \underline{- 105} \downarrow \\ 135 \downarrow \\ \underline{- 135} \\ 0 \end{array}$$

1. Let's first divide as if there was no decimal part; so we ignore the decimal point.

2. Then we put the decimal point in the quotient exactly where we called for the decimal to be divided. It means that it is when we pulled the digit 5 down to form the number 135

So, there is 39 grams of oats in each container.

b. A human hair grows 0.06cm per week

c. Higgs tip' amount is \$1,474.25

d. Each car cost \$10.74 in average.