

Name _____

Date _____

Division of Whole Numbers By Fractions Word Problems – Step-by-Step Lesson

Lesson 1 Division Problem:

At Andrew's birthday party he distributed chocolates evenly among 5 friends. One friend got 40 chocolates. How many chocolates were there in total?



Explanation:

Step 1) First we look to see what is being asked of us.

"How many chocolates were there in total?"

Step 2) Andrew distributed the chocolates among 5 friends: That means each friend got $\frac{1}{5}$ of the total number of chocolates.

Therefore, by dividing the number of chocolates, each friend by their fraction, we get the total number of chocolates.

$$40 \div \frac{1}{5}$$

Step 3) Turn this from a division problem into a multiplication problem by multiplying by the reciprocal.

$$40 \div \frac{1}{5} = 40 \times \frac{5}{1}$$

Then, multiply

$$40 \times \frac{5}{1} = 200 \text{ chocolates}$$

There are a total of 200 chocolates.

