

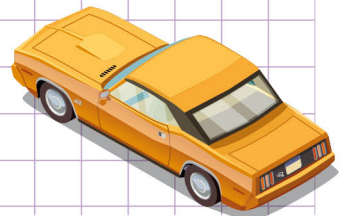
Name: ..... Class: .....

## Multi - step problems with metric unit conversions

1. Anna bought 6 kilograms of apples from the grocery store. She placed 2 kilograms of these apples on a fruit stand beside her table. Then she used 800 grams of the apples for her apple pie. How many kilograms of apples does she have left?



3. Paul's car's tank can hold 30,000 milliliters of gasoline. He just filled his three 20 liter gas cans at the station. How many times will he be able to fill his car's tank from all the three 20 liter gas cans?



Name: ..... Class: .....

## Multi - step problems with metric unit conversions

1. Anna bought 6 kilograms of apples from the grocery store. She placed 2 kilograms of these apples on a fruit stand beside her table. Then she used 800 grams of the apples for her apple pie. How many kilograms of apples does she have left?

Let's first of all find out how many kilograms are in 800 grams.

If 100 grams = 1 kilogram

Then, 800 grams =  $\frac{800}{1,000}$  kilograms = 0.8 kilograms

So, Anna used 0.8 kilogram of apples for her apple pie.

To find out how many kilograms of apples Anna have left,

Subtract 2 kilograms of apples placed on the fruit stand, and

0.8 kilogram of apples used for her apple pie from 6 kilograms of apples

$(6 - 2 - 0.8)$  kilograms = 3.2 kilograms

So, Anna has 3.2 kilograms of apples left.



3. Paul's car's tank can hold 30,000 milliliters of gasoline. He just filled his three 20 liter gas cans at the station. How many times will he be able to fill his car's tank from all the three 20 liter gas cans?

Let's first of all find out how many milliliters are in 20 liters

If 1 liter = 1,000 milliliters

Then, 20 liter =  $(1,000 \times 20)$  milliliters = 20,000 milliliters.

Since there are three 20 liters gas can, multiply 20,000 milliliters by 3

$20,000 \times 3 = 60,000$  milliliters.

Now, let's find the number of times Paul will be able to fill his car with 60,000 milliliters of gasoline.

We can do this by dividing 60,000 by 30,000

$\frac{60,000}{30,000} = 2$  milliliters

So, Paul will be able to fill his car's tank 2 times from his three 20 liters gas cans

