Name: _____

Adding/Subtracting Decimals Word Problems

Directions: Solve the word problems relating to the situation below.

Some scientists are preparing samples for experiments.

1. First, they mix 23.75 mL of a chemical with 8.92 mL of a reagent. How many mL do they now have in total?

2. Next, they take 32.19 mL of a different solution in a test tube and heat it over a Bunsen burner. After some of the mixture burns off as a gas, there is 25.4 mL of the solution left. How much of the solution burned off?

3. Finally, they take 55.27 grams of a metal and weigh out 18.19 grams for an experiment. How much of the metal is left?

ANSWER KEY

1. First, they mix 23.75 mL of a chemical with 8.92 mL of a reagent. How many mL do they now have in total? **32.67mL**

2. Next, they take 32.19 mL of a different solution in a test tube and heat it over a Bunsen burner. After some of the mixture burns off as a gas, there is 25.4 mL of the solution left. How much of the solution burned off? **6.79mL**

3. Finally, they take 55.27 grams of a metal and weigh out 18.19 grams for an experiment. How much of the metal is left? **37.08 grams**