



A Day in the Life of Bottled Water



Name: _____

Date: _____

Solve these word problems to discover how much it costs to bring bottled water to your doorstep.

1. Imagine that 100 barrels of oil come from Texas. The oil travels 1,400 miles by train to a factory in Georgia that makes plastic bottles. The empty bottles are carried by train 1,200 miles to Maine to be filled with filtered tap water. Once bottled, the water is shipped by truck 300 miles to a New York grocery store.

a. What was the total distance of this journey?

_____ miles

b. If it takes an average of 7 gallons of gasoline per mile, how much gasoline does it take for this shipment of bottled water to reach the grocery store?

_____ gallons

c. If a gallon of gas costs \$4.00, how much does it cost for this shipment of bottled water to reach the grocery store?

\$ _____

2. Amy and Paulo are on the same soccer team. They have practice 3 days each week and have a game every Saturday. Amy buys

1 bottle of water for \$1.25 before each practice and game. Paulo carries a reusable water bottle of the same size, which he bought for \$10.00, and refills it with filtered tap water before playing soccer.

a. After 6 weeks of soccer, how much has Amy spent on drinking water?

\$ _____

b. Compared to Amy, how much money did Paulo save by using the reusable bottle?

\$ _____

c. Paulo loves going to the zoo. Each ticket to the zoo costs \$5.00. How many times can Paulo go to the zoo with the money that he saved by using a reusable bottle?

_____ times

Make the Switch!

Go to www.scholastic.com/brita and take the **FilterForGoodSM** pledge to reduce your bottled water waste by switching to a reusable bottle!

One Brita pitcher filter can effectively replace as many as 300 16.9-ounce bottles. So you can get great-tasting water without so much waste.¹

Source: 1. FilterforGood: Learn the Facts, www.filterforgood.com/learn_the_facts.php.