# Solve each problem ALGEBRAICALLY.

There are 53 calories in one original Oreo cookie and 70 calories in the Double Stuf version. Find the number of calories in one wafer and one layer of filling. (Double stuf Oreo has twice the filling of the original Oreo)

Bottled water and medical supplies are to be shipped to victims of a hurricane by plane. Each plane can carry 90,000 pounds and a total volume of 6000 cubic feet. The bottled water weighs 20 pounds per container and measures 1 cubic foot. The medical kits each weigh 10 pounds and measure 2 cubic feet. How many containers of bottled water and how many medical kits can be sent on each plane?

It is 6 miles in a kayak to the Fish Islands from my house. The trip to the island takes 2 hours traveling against the current and 1¼ hours for the return trip (with the current). How fast can I move the Kayak is there was no current? The answer can be rounded to the nearest hundredth.

Prof. Glatt likes 2% milk (2% fat) for her cereal in the morning. Her parents only buy whole milk (3.5% fat) and non-fat milk (0% fat). While she is visiting her parents, how much of each type of milk does she need to mix to get 3 cups of 2% milk. The answer can be rounded to the nearest tenth.

To buy a car for $36,000, Stacy uses her credit card which charges 20% interest and borrows the rest from an online bank that charges 4.5% interest. If she pays $2178 in interest the first year, how much did she put on the credit card?

**B**

**O**

**N**

**U**

**S**

