

Topic: Using variables in problem solving.

Ex. 1) I'm thinking of a number. One-half is a third of my number. What is my number?

Ex. 2) A balance scale was in perfect balance when Horace placed a box of candy on one pan of the balance and $\frac{3}{4}$ of the same sized candy box together with a $\frac{3}{4}$ -pound weight on the other pan. How much did the full box of candy weigh?

GrpWk.) Samuel was riding in the back seat of the station wagon on the way home after a long and tiring day at the beach. He fell asleep halfway home. He didn't wake up until he still had half as far to go as he had already gone while asleep. How much of the entire trip home was Samuel asleep?

Hmk. 2 Problem:

1. At the Crusty Crab in Bikini Bottom, Sponge Bob is 80% water and weighs a total of 10 ounces. On dry land, Sponge-Bob is 40% water. What is Sponge-Bob's total weight on dry land?