Decimals

Complete.

1. Courtney estimated the length of a garden slug to be two and five tenths inches. Stephanie estimated the length of the same garden slug to be two and thirty-nine hundredths inches. By how much did Courtney's estimate differ from Stephanie's?	2. Madison bought a new E string for her bass. The string cost $4.97 plus 6.6% sales tax. What was the total cost? *Enter answers in text boxes.*
3. Dr. Thwump needs to make a calculation. In his super dangerous science experiment he must determine if the next step is safe or not. He must multiply 97.8 times 57.39. If the product is greater than 5.7×10^3 the procedure is safe. Is it safe?	4. Danielle and John are planning a garden. Danielle said if they make the garden round it would look better. John said if they make the garden square they will be able to plant more. They have enough space to make a round garden with a diameter of twenty feet or a square garden with each side being twenty feet. If they put five plants in each square foot of ground, how many more plants will they be able to plant in the square garden than they could plant in the round garden?
5. The trees of a rainforest make a dense canopy high above the ground. Huge insects are common here. Snakes crawl on the ground and hang from vines and tree limbs. It is not a place I would like to be, but apparently some people find it irresistible. Believe it or not there is a rainforest in Washington State. The Hoh Rainforest is located on the Olympic Peninsula, one thousand, five hundred thirty miles from my home. If we drive there and average 52.4 miles per hour, how long will it take us to reach the rainforest?	6. Whoozits are weird. They can be broken into any fractional part desired and then later be reassembled without harm. Sometimes even fractional parts of whoozits are shipped around the country to be assembled with other fractional parts to make new whole whoozits. SLUGCO had 25.974 whoozits they needed to ship to Timbuktu. Someone decided the easiest way to do it would be to put the same amount of whoozits in each box. If they had eighteen boxes, how many whoozits would go in each box?