

# Word Problem Delight #4

Do your best! Show all work...



1. Quinn went to the store to buy some perfume. You can guess who it was for. The perfume cost 85.79 per bottle. How long must Quinn work at 4.55 per hour to afford the perfume?

2. At Loree's house of Perfume, he sells a fragrance called Vibrant Fungus. A 5.5 ounce bottle costs 24.99. What is the price per ounce?

All of the girls love  
Vibrant Fungus!

3. In the nation of Valentinia, Queen Val supervises the production of many perfumes, among them a fragrance named Vibrant Fungus. It takes 124.63 grams for mushrooms to make each 5.5 ounce bottle. There is an economy sized bottle that delivers a full 12 ounces to the savvy customer. How many grams of mushrooms would it take to make one of those big bottles?

4. Birdie was applying some perfume that she received from a special friend. Suddenly she was startled by the cry of a vulture in her back yard and she dropped the bottle. A circular brown stain with a diameter of 7 inches spread from the broken bottle. What was the area of the stain?

5. While visiting a sick aunt, Mr. Bennett found himself near a place where people go get fraction parts. (He was in disguise.) He traded the fraction man  $4\frac{1}{2}$  wholes for a batch of 8ths. How many 8ths did he get?