Word Problems

1. At an average of 55 mph, how long will it take to drive 225 miles?

2. Four members of a swimming relay team swam 100 m each in the following times: 1 min 20.8 s, 1 min 10.7 s, 1 min 30.4 s, and 1 min 25.2s. What was the total time for the 400 m relay?

3. In a 100 gram (g) serving of bran flakes with raisins, there are 9.3 g of protein, 7 g of vitamins and minerals, 3 g of fiber, 1.4 g of fat, and the remaining part is carbohydrates. How many grams of carbohydrates are there in a 100 g serving?

4. Paolo earns $402.47 each week. The following deductions are subtracted from his pay: federal income tax, $89.17; FICA (Social Security) $24.37; medical insurance, $25.12; union dues $8.40. How much money does Paolo take home each week?

5. A 12 inch steel cable weighs 0.428 lb. How much does 156 ft weigh?

6. During the past month Connie used her credit card to make four purchases costing $57.19, $36.95, $116.83 and $44.13. She exchanged the $36.95 purchase for one costing $52.45. What is the total of the new charges on her account for the month?

7. Max earns $9.35 per hour if he works 40 hours or less in one week. When he works more than 40 hours in one week, his hourly rate for the number of hours over 40 is 1.5 times his regular rate. How much will he be paid for working 53 hours in one week?

8. A job is advertised at a yearly salary of $18,000.If there are 245 working days in a year and 7 hours in a working day, what is the hourly salary rate to the nearest cent?