Decimal Word Problems - 1

Show all work to the right in the space provided.

1) Billie runs daily as part of an exercise plan. On Sunday she ran 8.3 miles, on Monday 5.1 miles, on Tuesday 5.75 miles, on Wednesday 5.6 miles, on Thursday 4.25 miles, and 6 miles on Saturday. How many miles did she run this week?

2) Tom had $84.50 and then spent $12.25 for a music CD, $17.85 for a gift, and $15.45 for gasoline. How much did he have left?

3) The employees in a firm earn $8.50 an hour for the first 40 hours per week, and 1.5 times the hourly rate for any hours worked over 40. How much does an employee who works 52 hours in one week earn?

4) The monthly rental for an apartment is $412.50. How much would the rent be for one year?

5) If you have $325.58 in your checking account and then write a check for $166.73, what is your new balance?

6) John and Rosie own a home assessed at $98,000. If for every $1000 of assessed value they must pay $65.50 in taxes, how much is their tax bill?

1) 35 miles   2) $38.95   3) $493.00   4) $4950.00   5) $158.85   6) $6419.00   W ' 04

7) Jan bought 4 pounds of candy for $12.25. What was the average cost per pound to the nearest cent?

8) Mr. Adams drives a school bus twice a day for 5 days a week. Each trip averages 35.8 miles. In one week Mr. Adams drives how many miles?

9) A gallon of water weighs about 8.3 pounds. How many gallons of water are there in 614.2 pounds?

10) If you are charged $22.92 for 16.5 gallons of gasoline. What is the price of gasoline per gallon? Round your answer to the nearest tenth of a cent.

11) In a 220-yard dash, Fred finished in 36.4 seconds and Dick finished in 33.9 seconds. How much longer did it take Fred?

12) Find the total cost of this food: 4 lb. steak @ $3.89 per pound, 4 doz. eggs @ $1.05 per dozen, 2 gallons of milk @ $1.99, and 3 loaves bread @ $1.79.

13) You start a trip when your odometer reads 23,672 miles, and you have a full tank of gas. After driving a few hours, you fill up your tank. If you buy 16.5 gallons and your odometer reads 23,927, how many miles to the gallon are you getting, rounded to the nearest tenth of a gallon.

7) $3.06   8) 358 miles   9) 74 gallons   10) $1.389   11) 2.5 seconds   12) $29.11   13) 15.5 mpg