2-4-4 Word Problems

You may use a calculator on any problem that requires multiplication or division.

a) Tiny Car company made 5.6 million last year. This year they made 12.3 million. How much more did Tiny Car company make this year?

A tree was 13.4 meters tall in 1999. In 2002 it grew to 14.1 meters. How much did the tree grow?

b) There are 5 people on the elevator. Together they weigh 925.98 lbs. Find the average weight.

What is the weight of 36 cubic feet of water? A cubic foot of water weighs 62.5 pounds.

c) Kathy worked 5.4 hours of overtime at $25.42 per hour.   How much did she make?

Jan put three packages on a scale. Individually they weigh 4.2 kilograms, 2.37 kilograms, and .45 kilograms. What is on the scale display?

d) A wool scarf that was 3.2 feet long before the wash is now 2.8 feet long. How much did the scarf shrink?

If the price of a gallon of gasoline rises from $0.98 to $1.34, how much does the price of a gallon rise?

e) David had the flue for Thanksgiving weekend. His temperature was 103.2 at the highest.   His normal temperature is 98.6. How much higher was his temperature during his fever?

There are 2.54 centimeters in one inch.   How many inches are there in 51.78 centimeters?

f) What was its average speed in miles per hour if a plane flew 1856.4 miles in 5.2 hours?

3.2 pounds of potatoes, 2.5 pounds of apples, .75 pound of onions are bought for stew. What is the total weight?

g) At $6.42 a cubic foot, how much do 8.25 cubic feet of concrete cost?

What is the average number of miles Daniel drove on a 1345 mile trip done in   6 ½ days? (hint change the ½ to .5.)

h) Women live, on average to 73.5 years old. Men live to 68.9 years old. How much longer do women live on average?

There are 1.6 kilometers in a mile. How many miles are there in 98.7 kilometers?

i) 1 inch = 2.54 centimeters. How many centimeters are there in 56 inches?

Gerry makes $7.58 an hour. He grossed $306.99 last week. How many hours did he work?

j) How many meters are there in 567 yards? 1yard = 0.914 meters.

In 1990 there were 359.9 thousand people in Mytown. By 1996 there were 8.6 thousand more people town. How many people lived in Mytown in 1996?

k) If 5.3 pounds of nails cost $7.65 what is the price of one pound of nails?

Three parts are to be welded. They are 3.45 in., 7.8 in., and .98 in. in length. What will be the final length?

l) 2.5 yards of polar fleece cost $26 how much does one yard cost?

Last year the precipitation was 3.5 inches in December, 2.5 inches in January and 3 inches in February. What was the average precipitation for last winter?

m) The television costs $0.08 per hour to run. How much will it cost to watch 3.45 hours?

The trip to the outlet store is 5.3 miles. From there we will go to the campus library that is 3.02 miles. From the library it is a 2 mile straight ride home. How far will we drive?

n) Ammon makes 6.45 per hour. How worked 5.3 hours Monday, 8 hours on Tuesday, 2.75 hours on Wednesday, .75 hours on Thursday, and 8 hours on Friday. How much did he make that week?

Randy drives 34.5 miles to grandma's house. His brother, Mike, drives 72.3 miles. How much farther is does Mike drive?

o) Lacey has a piece of wire that is 3.5 feet long. She needs to cut 4 pieces off that are .85 feet each. How much wire is left?

Last time I filled the tank, my mileage was 1,345.8. Now it reads 1383.2. How far did I drive on the last tank of gas? If my tank hold 15 gallons, what was the miles per gallon?

p) The baby weighs 49 pounds. The weight is to be charted in kilograms. What would you chart? One pound is equal to 0.45 kilograms.

Tony sold 3.45 shares of one stock, 23.4 shares of another and 15 shares of a third stock. How many shares did he sell?

q) One mile is equal to 1.6 kilometers. How many kilometers are there in 73 miles?

The average speed of the Enterprise is 521 light years per hour. How far did the ship fly in 0.325 hours.?