

2-6-2 Word Problems

a) If one yard of polar fleece fabric costs \$12.00, how much does $5\frac{1}{2}$ yards cost?

One cubic foot of water weighs $62\frac{1}{2}$ pounds.
How much does $5\frac{3}{8}$ cubic feet of water weigh?

b) Janet worked with students for $5\frac{3}{4}$ hour on Tuesday, $4\frac{3}{8}$ of an hours on Wednesday, and $1\frac{2}{3}$ hours Thursday. How much time did she spend with students for the three days?

My mileage gauge reads $4533\frac{3}{10}$ miles.
(Ok, I admit it has rolled over.)
Last week it read $4042\frac{7}{10}$ miles.
How far have I driven this week?

c) The shopping list included 3 pounds of hamburger, $3\frac{1}{2}$ pounds of apples, $2\frac{3}{4}$ pounds of oranges, and $\frac{1}{3}$ pound kiwi. How many pounds of fruit were purchased?

The baby was $6\frac{2}{5}$ pounds at birth two months ago.
He gained $4\frac{1}{2}$ pounds.
How much does he weigh now?

d) How many pieces of wire each $3\frac{3}{4}$ inches long can be cut from a roll that is 50 inches long?

One slide is $5\frac{3}{8}$ feet taller than the other.
The short slide is $12\frac{3}{4}$ feet.
How tall is the tall slide?

e) The records showed $123\frac{3}{4}$ pounds of monkey food were still in the inventory. Each day $25\frac{2}{3}$ pounds are used. How much is left after three days?

Monster costumes for the play each required $5\frac{3}{5}$ yards of fabric. How many yards will be needed to make all 12 costumes?

f) How many quart jars of jam can be made from $34\frac{5}{8}$ pound of strawberries? $\frac{2}{3}$ of a pound will make one quart jar.

How many $1\frac{2}{3}$ pound boxes of cookies can be made from $10\frac{3}{4}$ pounds of cookies?

g) Jamie spent $3\frac{3}{4}$ hours typing word problems, $2\frac{1}{2}$ hours making answer keys, $\frac{2}{3}$ of an hour making copies. One twelfth of her time was spent yelling at the computer. The rest of her eight hour day was spent filing. How much time was spent filing?

One section of a wall of my house will be a book shelf. The section is $6\frac{1}{2}$ feet long and 10 feet high. Most shelves should be 1 foot tall, but the two bottom shelves will be $1\frac{3}{4}$ feet tall for oversized books. This will leave the top shelf an odd height. How much shelving is needed? Don't put shelving on the ceiling, but the floor will need shelving.

h) While doing home health visits, Jack drove $3\frac{1}{2}$ miles to Mrs. Jenkins, $5\frac{7}{10}$ miles to the next appointment, $4\frac{2}{5}$ to Mr. Smith, and 7 miles back to the office. What should he claim on his mileage report?

Jon will work overtime for time and a half. He works a 10 hour day. His regular pay is 12.50 per hour. How much did he make?

i) The family got three $2\frac{1}{2}$ pound boxes of chocolate for Christmas. How much chocolate does each of the five people get?

Larry was home from work because he was ill for $\frac{5}{12}$ of his 40 hour work week. How many hours did he work?

j) Jon's full truck weighs $3\frac{3}{4}$ tons. The average crate weight $\frac{2}{5}$ ton. If there are seven crates on the truck, how much does the empty truck weigh?

If you change the rotating speed of a cement mixer from 12 rpm's to $5\frac{1}{4}$ rpm's how many revolutions per minute slower does the cement mixer spin?

k) Jackie lost $10\frac{3}{5}$ lbs. Before the diet she weighed $140\frac{1}{2}$ lbs. How much does she weigh now?

Rosy cut $3\frac{3}{4}$ feet from a 10 foot piece of sheet metal. How long was the remaining piece?

l) Zuella made some dresses out of $15\frac{3}{4}$ yards of fabric. Each required $3\frac{2}{3}$ yards. How many dresses was she able to make?

I only have $\frac{3}{4}$ pounds of German baking chocolate left. My recipe calls for $\frac{5}{8}$ pounds. How much will I have left?

m) A ten pound bag of cotton balls has been opened. (It's a really big bag.) Yesterday there was $8\frac{2}{3}$ pounds left. If someone uses $\frac{7}{8}$ of a pound, how much do the remaining cotton balls weigh?

Todd worked $9\frac{1}{2}$ hours Monday, $10\frac{3}{4}$ hours on Tuesday, 8 hours on Wednesday, 8 hours on Thursday, and 9 hours on Friday. He makes \$14 per hour regular pay and time and a half for anything over 40 hours. How much did he make that week?

n) Craft trim is to be cut in $5\frac{3}{8}$ in. pieces. How many pieces can be cut from $3\frac{1}{2}$ yards?

The trip to the store is $\frac{7}{8}$ miles. Joan walked $\frac{2}{3}$ of the way. How far has she walked?