Simplify all answers and show your work!

1) 29 mm = _________ m
2) 3 gallons = _______ qts
3) $\frac{3}{4}$ ft = _______ in.

4) 160 min = _________ hrs
5) 7.3 kg = ___________ g
6) 21 in = ___________ cm
   (1 in = 2.54 cm)

7) 6 ft 1 in = __________ in
8) 7 lbs 12 oz = __________ lb.
9) 3 m 12 cm = __________ m

10) Write the following decimals as percents:
   a) 0.09
   b) 0.123
   c) 2.6

11) Write the following percents as decimals:
   a) 0.5%
   b) 16%
   c) 189.2%

12) Tim weighs 187 pounds. How much does Tim weigh in kilograms? (2.2 lbs ≈ 1 kg.)
13) Write as a fraction in lowest terms:
   a) 37.5%
   b) $41\frac{2}{3}$%

14) The low temperature for a day in June is 65°F. Fahrenheit. What is this temperature in degrees Celsius? ($F = \frac{9}{5}C + 32$, $C = \frac{5(F - 32)}{9}$)
15) Jerica buys 4 m 25 cm of cord at $1.49 per meter. How much does this cord cost?
16) Brenda needs 2 quarts of chicken stock for a recipe. She has $\frac{3}{4}$ pints of chicken stock on hand. How many more pints of chicken stock does she need for her recipe?

17) A laboratory assistant is in charge of ordering acid for 30 students in a chemistry class. Each student will need 60 ml of acid, and the acid is sold by the supply company by the whole liter. How many liters should be ordered so that there is enough for everyone?

18) The Effingham Fire Department received 17 false alarms out of a total of 124 alarms received. What percent of the alarms received were false alarms? (Round to the nearest tenth of a percent.)

19) Gasoline rose from $2.12 per gallon the week before a holiday weekend to $2.25 per gallon during the holiday weekend. What was the percent of increase in the price of gasoline during this time? (Round to the nearest percent.)

20) A pre-school teacher makes $21,000 in 2009 and is getting a raise of 3% for 2010. What will her salary be in 2010?

21) Wiring was found to be defective in 0.6% of homes tested over a 10-year period. If this is 21 homes, how many homes were tested for wiring defects?

22) Laney buys a $58 sweater for 35% off. The sales tax on the sweater is 6%. What is the total cost of the sweater? (Round to the nearest cent.)