Simplify all answers and show your work!

1) 43 mg = __________ g 
2) $2\frac{2}{3}$ ft = ________ in. 
3) 16.8 km = ________ m 

4) 8 pints = _________ qts 
5) 4.5 lbs = __________ oz 
6) 7.3 in = _________ cm 
(1 in = 2.54 cm) 

7) 5 ft 6 in = _________ in 
8) 8 lbs 6 oz = _________ lb. 
9) 4 m 35 cm = _________ m 

10) Write the following decimals as percents:
   a) 0.04 
   b) 0.538 
   c) 3.19 

11) Write the following percents as decimals:
   a) 1.8% 
   b) 51% 
   c) 250% 

12) Sally weighs 134 pounds. How much does Sally weigh in kilograms? (2.2 lbs ≈ 1 kg.) 
   13) Write as a fraction in lowest terms:
   a) 31.25% 
   b) $26\frac{2}{3}$% 

14) The average high temperature for a day in December is 15º Celsius. What is this temperature in degrees Fahrenheit?
   $F = \frac{9}{5}C + 32$ 
   $C = \frac{5(F - 32)}{9}$ 

15) A factory produces 3 mg of a compound each hour. How many grams of the compound are produced in 40 hours?
16) In January 2009, Nadya Suleman gave birth to octuplets. McCai was the smallest, weighing 1 lb 8 oz. at birth; Isaiah was the largest, weighing 3 lb 4 oz at birth. How much smaller, in pounds, was McCai than Isaiah at birth?

17) A recipe calls for \( \frac{3}{4} \) quart of milk. If Debra has \( 1 \frac{3}{4} \) pints of milk, how much milk will she have left over after making the recipe?

18) A compact car is approximately 410 cm long. How many feet long is this? (2.54 cm = 1 in.) (Round to the nearest tenth of a foot.)

19) In the US in November, 14 million workers were unemployed. If there are 153 million workers in the US, what percent of them were unemployed during November? (Round to the nearest tenth of a percent.)

20) The percentage of people in the US who are uninsured is approximately 15.4%. If there are about 300 million people in the US, how many of them are uninsured?

21) Sherry borrows $5000 at 12% APR for 3 years. What will be her monthly payment?

22) The regular price for a DVD is $19.99. Amazon is selling the DVD for $12.99. What percent is the discount on the DVD as sold by Amazon?