

Simplify all answers and show your work!

1) 27 mL = _____ L

2) $5\frac{1}{6}$ yd = _____ ft.

3) 2.8 kg = _____ g

4) 32 cups = _____ pts

5) 7.2 lbs = _____ oz

6) 15.9 in = _____ cm
(1 in = 2.54 cm)

7) 6 ft 3 in = _____ in

8) 9 lbs 10 oz = _____ lb.

9) 2 m 5 cm = _____ m

10) Write the following decimals as percents:

a) 0.08

b) 0.874

c) 8.24

11) Write the following percents as decimals:

a) 4.8 %

b) 28%

c) 287%

12) Write as a fraction in lowest terms:

a) 68.75%

b) $58\frac{1}{3}$ %

13) Jeff weighs 83 kg. How many pounds does
Jeff weigh? (2.2 lbs \approx 1 kg.)

14) Jane is making snacks for a party. A recipe she's using serves 6 people and requires $2\frac{1}{3}$ cups of flour. How much flour will she need for the recipe if she is serving 45 people?

15) The standard dose of a medication is 5 ml of medication for every 50 pounds of body weight. How many mL of medication would be given to a person who is 140 lbs?

16) The record high in Augusta for the month of February was 86° F. How many degrees Celsius is this? $F = \frac{9}{5}C + 32$, $C = \frac{5(F - 32)}{9}$

17) The highway commission is installing sound barriers along I-20. Each barrier is $33\frac{1}{3}$ yds long. How far will 25 barriers in a row reach?

18) A total of 21 gal 3 qts of oil have been removed from a full 55-gallon drum. How many gallons of oil are left in the drum?

19) Officer Wilson ropes off a crime scene with barricade tape. He uses 200 ft 8 inches from a roll containing 1000 ft of tape. How many feet of tape are left on the roll?

20) Richard is 195 cm tall. How many inches tall is Richard? (1 inch = 2.54 cm)

21) Kim is having a family reunion and needs to bring enough soda for 15 people to have 20 fl. oz. of beverage. How many cups of soda does she need to buy?