

Simplify all answers and show your work!

Convert the following:

1)  $24\text{mm} = \underline{\hspace{2cm}} \text{ m}$

2)  $15.4 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

3)  $6 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

4)  $8 \text{ m } 15 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

5)  $7 \text{ lbs } 10 \text{ oz} = \underline{\hspace{2cm}} \text{ oz.}$

6)  $6 \text{ ft } 2 \text{ in} = \underline{\hspace{2cm}} \text{ in.}$

Write as a decimal:

7)  $75\%$

8)  $2.3\%$

9)  $0.07\%$

Write as a percent:

10)  $0.64$

11)  $1.83$

12)  $0.038$

Write as a fraction in lowest terms:

13)  $32\%$

14)  $1.6\%$

15)  $83\frac{1}{3}\%$

Write as a percent. Do **not** round!

16)  $\frac{3}{5}$

17)  $\frac{5}{7}$

18) Tubing for the fuel line of a BMW is sold for \$9.95 per meter. Jesse is purchasing 16 m 50 cm for some work he must perform on a few cars. How much is the tubing going to cost?

19) The average temperature for December 5 in Augusta, GA is 62° F. Find this temperature in degrees

Celsius.  $C = \frac{5(F - 32)}{9}$ ,  $F = \frac{9 \cdot C}{5} + 32$

20) A person weighs 192 pounds. How much does this person weigh in kilograms? (You may round as you see fit.) (2.2 lbs  $\approx$  1 kg.)

21) A total of 15 gal 1 qt of oil has been removed from a full 20-gallon drum. How much oil still remains in the oil drum?

22) If a 2-liter cola was divided amongst eight people, how much cola would each person get?

23) A pattern calls for 15 inches of ribbon. Cassie has 48 cm of ribbon. (2.54 cm = 1 in.)

a) Will she have enough ribbon?

b) How much will she have left over or need?

24) On his vacation to Mexico, Ron bought 345 g of his favorite candy, which cost \$4.99 per kilogram. How much did the candy cost Ron?

25) Josie bought 2 gallons of milk for her family. How many liters of milk did she buy? (3.78 Liters  $\approx$  1 gallon)