1. Michigan State just missed a first down. The referee says the ball is 1/10<sup>th</sup> of a yard short. How many millimeters is this?

0.1 yard	0.9144 meters	_1000 mm	- 01 1 mm
1^	1 yard	meter	- 31.411111

2. You are drinking some Guinness in Scotland and they bring you a pint of beer. How many liters is this equal to?

1pint	<u>16 ounces</u>	29.573 mL	= 473 mL  or  500 mL (rounded)
1	1 pint	1ounces	

3. Your new nephew is 5 lbs 3 oz. How much does he weigh in kilograms? NOTE: The conversion table you have erroneously has 1 pound = 0.454 grams...that should be kilograms!

 $\frac{5 \text{ pounds}}{1} \times \frac{0.454 \text{ kilograms}}{1 \text{ pound}} = 2.27 \text{ kg}$  $\frac{3 \text{ oz}}{1} \times \frac{28.35g}{oz} \times \frac{1 \text{ kg}}{1,000 \text{ g}} = 0.085 \text{ kg}$ 2.27 kg + 0.085 kg = 2.36 kg

4. The prescription for your dog's antibiotic calls for 20 tsp of medicine twice a day. How much is the daily dose in milliliters?

20 tsp 1 tbsp 1fl.oz	29.573 mL	= 98.58 mL per dose x 2 <sup>doses</sup> /day = 197.2 mL
1 3 tsp 2 tbsp	1fl.oz	_ 30.30 mL per dose x 2 / day _ 197.2 mL

5. Your property lot is 120 feet deep. How many kilometers is this?

120 feet	0.3048 meters	$\times - \frac{1 \text{km}}{1 \text{ m}} = 0.037 \text{ km}$
	1 foot	$^{-1,000}$ meters