Sample 1: Change cup to tsp

$$\frac{1 \, cup}{1} \times \frac{16 \, tbsp}{1 \, cup} \times \frac{3 \, tsp}{1 \, tbsp} = 48 \, tsp$$

Sample 2: Change 2 gallons to tbsp

$$\frac{2 \ gal}{1} \times \frac{16 \ cup}{1 \ gal} \times \frac{16 \ tbsp}{1 \ cup} = 512 \ tbsp$$

Sample 3: Change 20 liters to tsp

$$\frac{20 \ L}{1} \times \frac{1 \ gal}{3.79 \ L} \times \frac{16 \ cups}{1 \ gal} \times \frac{16 \ tbsp}{1 \ cup} \times \frac{3 \ tsp}{1 \ tbsp} = \frac{15360}{3.79} = 4052.77 \ tsp$$

Sample 4: Change 200 oz to Ibs

$$\frac{200 \ oz}{1} \times \frac{1 \ lb}{16 \ oz} = 12.5 \ lb$$

Sample 5: Change 72 kg to oz

$$\frac{72 \, kg}{1} \times \frac{2.2 \, lb}{1 \, kg} \times \frac{16 \, oz}{1 \, lb} = 2534.4 \, oz$$

Sample 6: Change 175 lbs to grams

$$\frac{175 \ lbs}{1} \times \frac{1 \ kg}{2.2 \ lbs} \times \frac{1000 \ g}{1 \ kg} = 79545.45g$$

Sample 7: Change 2 tons to grams

$$\frac{2 tons}{1} \times \frac{2000 \ lbs}{1 \ ton} \times \frac{1 \ kg}{2.2 \ lbs} \times \frac{1000 \ g}{1 \ kg} = 1818181.82 \ g$$

Sample 8: How many gallons of water in a full 10,240 cubic feet tank

$$\frac{10240\ cu\ ft}{1} \times \frac{1728\ cu\ in}{1\ cu\ ft} \times \frac{1\ gal}{231\ cu\ in} = 76600.52\ gal$$

Sample 9: How many 10 cc injections from four 750 ml bottles of medicine

$$\frac{4 \text{ bottles}}{1} \times \frac{750 \text{ ml}}{1 \text{ bottle}} \times \frac{1 \text{ cc}}{1 \text{ ml}} = 3000 \text{ cc}$$

Sample 10: How many cattle can be vaccinated with a 2.5 cc shot from 3 cases of medicine. Each case has twelve 1 quart bottles.

$$\frac{3 \ cases}{1} \times \frac{12 \ bottles}{1 \ case} \times \frac{1 \ qt}{1 \ bottle} \times \frac{0.946 \ L}{1 \ qt} \times \frac{1000 \ ml}{1L} \times \frac{1 \ cc}{1ml} \times \frac{cow}{2.5 \ cc} = 13622 \ cows$$