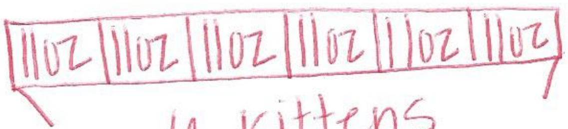
Name ______________________________ Date ________________

Solve.

1. Liza's cat had six kittens! When Liza and her brother weighed all the kittens together, they weighed 4 pounds 2 ounces. Since all the kittens are about the same size, about how many ounces does each kitten weigh?

16 × 4 = 64

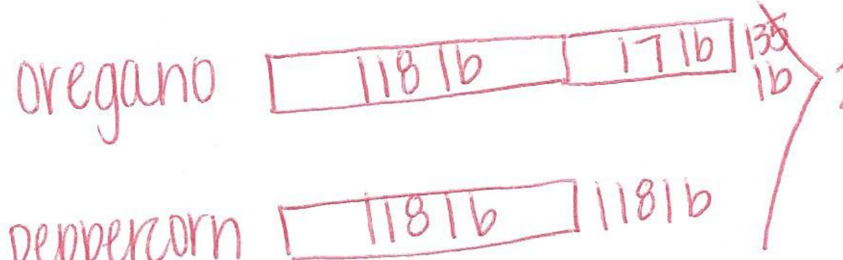


4 lbs. 2 oz = 66 oz (64 oz)

66 oz ÷ 6 = 11 oz each

They each weigh about 11oz each.

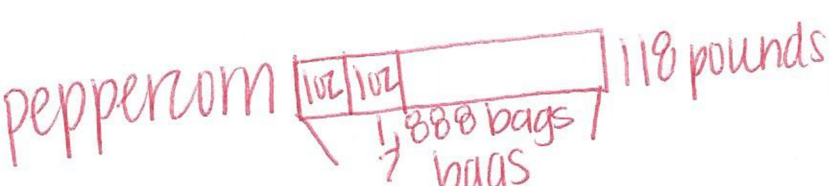
2. A container of oregano is 17 pounds heavier than a container of peppercorns. Their total weight is 253 pounds. The peppercorns will be sold in one-ounce bags. How many bags of peppercorns can be made?



253 − 17 = 236

236 ÷ 2 = 118

118 + 17 = 135

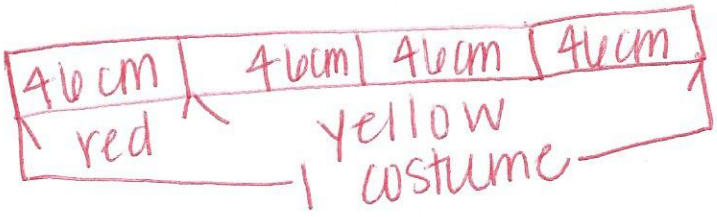


118 pounds = 118 × (16 oz)
= 1,888 oz

118 × 16 = 708 + 1180 = 1888

They would make 1,888 1-oz bags.

3. Each costume needs 46 centimeters of red ribbon and 3 times as much yellow ribbon. What is the total length of ribbon needed for 64 costumes? Express your answer in meters.



184 cm

$$\begin{array}{r} 2 \\ 46 \\ \times\ 4 \\ \hline 184 \end{array}$$

$$\begin{array}{r} 5 \\ 8\ 2 \\ 184 \\ \times\ 64 \\ \hline 744 \\ +11040 \\ \hline 11{,}784 \end{array}$$

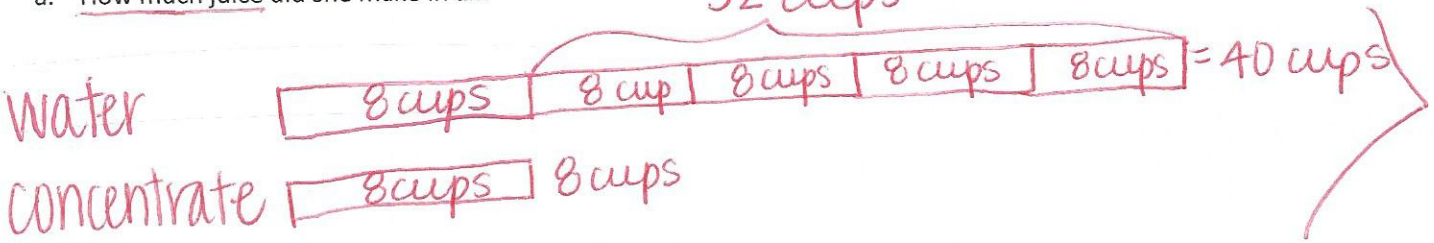
11,784 cm for 64 costumes

11,784 cm = 11,784 x (0.01m)
= 117.84 m

117.84 m are needed for all costumes.

4. When making a batch of orange juice for her basketball team, Jackie used 5 times as much water as concentrate. There were 32 more cups of water than concentrate.

a. How much juice did she make in all?



She made 48 cups of juice total.

b. She poured the juice into quart containers. How many containers could she fill?

48 cups = 48 x ($\frac{1}{4}$ quart)
= $\frac{48}{4}$ quart
= 12 quarts

She could fill 12 quart containers.