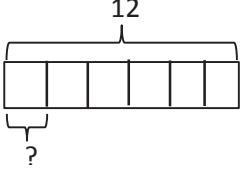Name _____   Date _____

1. Convert. Show your work using a tape diagram or an equation. The first one is done for you.

a. $\frac{1}{4}$ yard = ____9____ inches $\frac{1}{4}$ yard $= \frac{1}{4} \times 1$ yard $\quad = \frac{1}{4} \times 36$ inches $\quad = \frac{36}{4}$ inches $\quad = 9$ inches	b. $\frac{1}{6}$ foot = _____ inches $\frac{1}{6}$ foot $= \frac{1}{6} \times 1$ foot $\quad = \frac{1}{6} \times 12$ inches $\quad =$
c. $\frac{3}{4}$ year = _____ months	d. $\frac{3}{5}$ meter = _____ centimeters
e. $\frac{5}{12}$ hour = _____ minutes	f. $\frac{2}{3}$ yard = _____ inches

2. Michelle measured the length of her forearm. It was $\frac{3}{4}$ of a foot. How long is her forearm in inches?

3. At the market, Ms. Winn bought $\frac{3}{4}$ lb of grapes and $\frac{5}{8}$ lb of cherries.

   a. How many ounces of grapes did Ms. Winn buy?

   b. How many ounces of cherries did Ms. Winn buy?

   c. How many more ounces of grapes than cherries did Ms. Winn buy?

   d. If Mr. Phillips bought $1\frac{3}{4}$ pounds of raspberries, who bought more fruit, Ms. Winn or Mr. Phillips? How many ounces more?

4. A gardener has 10 pounds of soil. He used $\frac{5}{8}$ of the soil for his garden. How many pounds of soil did he use in the garden? How many pounds did he have left?

EUREKA MATH™

Lesson 9:   Find a fraction of a measurement, and solve word problems.

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