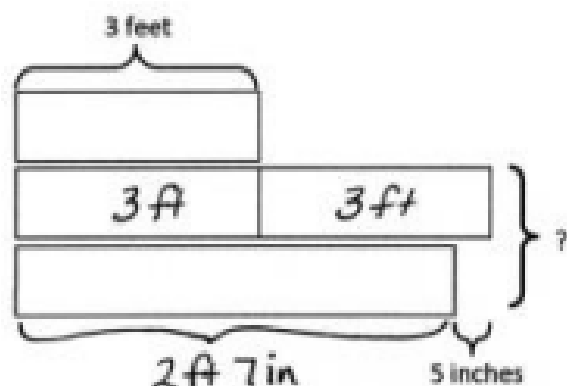


1. a. Label the rest of the tape diagram below. Solve for the unknown.



$$3 \text{ ft} - 5 \text{ in} = 2 \text{ ft } 7 \text{ in}$$

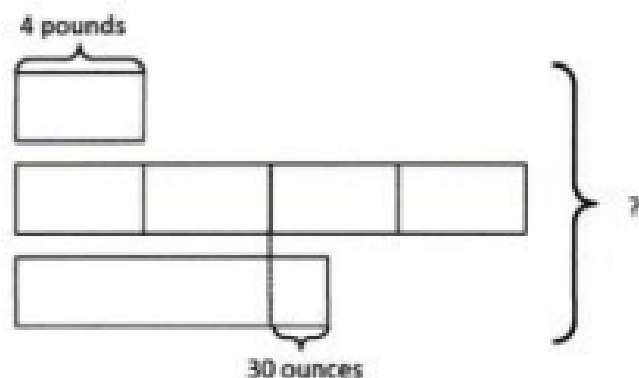
$$\quad \quad \quad \wedge \quad 12 \text{ in}$$

$$2 \text{ ft } 7 \text{ in} + 6 \text{ ft} = 8 \text{ ft } 7 \text{ in}$$

- b. Write a problem your own that could be solved using the diagram above.

A red piece of material is 3 feet long. A blue piece of material is twice as long as the red piece. A white piece of material is 5 inches shorter than the blue piece. How long are the blue and white pieces of material?

2. Create a problem your own using the diagram below, and solve for the unknown.



$$4 \text{ lb} \times 7 = 28 \text{ lb}$$

$$28 \text{ lb} + 30 \text{ oz} = 29 \text{ lb } 14 \text{ oz}$$

$$\quad \quad \quad \wedge \quad 16 \text{ oz}$$

I have 3 dogs. Blade weighs 4 pounds. Buddy weighs four times as much as Blade weighs. Ruby weighs 30 ounces more than twice that of Blade's weight. How much do my three dogs weigh?