

Name _____

Date _____

1. Convert. Express your answer as a mixed number, if possible. The first one is done for you.

<p>a. $2 \text{ ft} = \frac{2}{3} \text{ yd}$ $S \rightarrow L \times fr$</p> <p>$2 \text{ ft} = 2 \times 1 \text{ ft}$</p> <p>$= 2 \times \frac{1}{3} \text{ yd}$</p> <p>$= \frac{2}{3} \text{ yd}$</p> <p>$3 \text{ ft} = 1 \text{ yd}$</p>	<p>b. $4 \text{ ft} = 1\frac{1}{3} \text{ yd}$ $S \rightarrow L \times fr$</p> <p>$4 \text{ ft} = 4 \times 1 \text{ ft}$</p> <p>$= 4 \times \frac{1}{3} \text{ yd}$</p> <p>$= \frac{4}{3} \text{ yd}$</p> <p>$= 1\frac{1}{3}$</p> <p>$3 \text{ ft} = 1 \text{ yd}$</p>
<p>c. $7 \text{ in} = \frac{7}{12} \text{ ft}$ $S \rightarrow L \times fr$</p> <p>$12 \text{ in} = 1 \text{ ft}$</p> <p>$= 7 \times \frac{1}{12} \text{ ft}$</p> <p>$= \frac{7}{12} \text{ ft}$</p>	<p>d. $13 \text{ in} = 1\frac{1}{12} \text{ ft}$ $S \rightarrow L \times fr$</p> <p>$12 \text{ in} = 1 \text{ ft}$</p> <p>$= 13 \times \frac{1}{12} \text{ ft}$</p> <p>$= \frac{13}{12} \text{ ft}$</p> <p>$= 1\frac{1}{12} \text{ ft}$</p>
<p>e. $5 \text{ oz} = \frac{5}{16} \text{ lb}$ $S \rightarrow L \times fr$</p> <p>$16 \text{ oz} = 1 \text{ lb}$</p> <p>$= 5 \times \frac{1}{16} \text{ lb}$</p> <p>$= \frac{5}{16} \text{ lb}$</p>	<p>f. $18 \text{ oz} = 1\frac{1}{8} \text{ lb}$ $S \rightarrow L \times fr$</p> <p>$16 \text{ oz} = 1 \text{ lb}$</p> <p>$= 18 \times \frac{1}{16} \text{ lb}$</p> <p>$= \frac{18}{16} \text{ lb}$</p> <p>$= 1\frac{2}{16} \text{ lb} = 1\frac{1}{8} \text{ lb}$</p>

2. Regina buys 24 inches of trim for a craft project.

- a. What fraction of a yard does Regina buy?

$$24 \text{ in} = \frac{2}{3} \text{ yd}$$

$$36 \text{ in} = 1 \text{ yd}$$

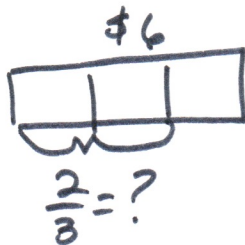
$$S \rightarrow L \times fr$$

$$= 24 \times \frac{1}{36} \text{ yd}$$

$$= \frac{24}{36} = \frac{1 \cancel{2} \times 2}{\cancel{12} \times 3} = \frac{2}{3} \text{ yd}$$

Regina buys $\frac{2}{3}$ yd.

- b. If a whole yard of trim costs \$6, how much did Regina pay?

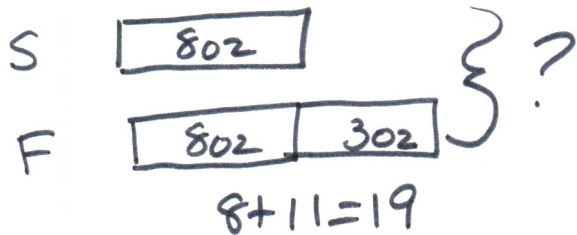


$$= \frac{2}{3} \times 6$$

$$= \frac{2}{\cancel{3}} \times \frac{\cancel{6}^2}{1} = \$4$$

Regina paid \$4

3. At Yo-Yo Yogurt, the scale says that Sara has 8 ounces of vanilla yogurt in her cup. Her father's yogurt weighs 11 ounces. How many pounds of frozen yogurt did they buy altogether? Express your answer as a mixed number.



$$1602 = 11 \text{ lb}$$

$$S \rightarrow L \times fr$$

$$= 19 \times \frac{1}{16} \text{ lb}$$

$$= \frac{19}{16} = 1 \frac{3}{16} \text{ lb}$$

They bought $1 \frac{3}{16}$ lb of Frozen Yogurt altogether.

4. Pheng-Xu drinks 1 cup of milk every day for lunch. How many gallons of milk does he drink in 2 weeks?

$$1 \text{ week} = 7 \text{ days}$$

$$2 \text{ weeks} = 14 \text{ days}$$

$$1 \text{ day} = 1 \text{ cup}$$

$$14 \text{ days} = 14 \text{ cups}$$

$$S \rightarrow L \times fr$$

$$14 \text{ c} = \text{--- gal}$$

$$16 \text{ c} = 1 \text{ gal}$$

$$14 \times \frac{1}{16} = \frac{14}{16} = \frac{7}{8} \text{ gal}$$

He drank $\frac{7}{8}$ gallon of milk in 2 weeks.