Name _____ Date _____

1. Convert. Express your answer as a mixed number if possible.

a. 2 ft = $\frac{2}{3}$ yd

2 ft = 2 × 1 ft

= 2 × $\frac{1}{3}$ yd

= $\frac{2}{3}$ yd

b. 6 ft = 2 yd

6 ft = 6 × 1 ft

= 6 × $\frac{1}{3}$ yd

= $\frac{6}{3}$ yd = 2 yards

c. 5 in = $\frac{5}{12}$ ft

5 in = 5 × 1 in

= 5 × $\frac{1}{12}$ ft

= $\frac{5}{12}$ ft.

d. 14 in = $1\frac{2}{12}$ ft = $1\frac{1}{6}$ ft

14 in = 14 × 1 in

= 14 × $\frac{1}{12}$ ft

= $\frac{14}{12}$ ft

= $1\frac{2}{12}$ = $1\frac{1}{6}$ ft

e. 7 oz = $\frac{7}{16}$ lb

7 oz = 7 × 1 oz.

= 7 × $\frac{1}{16}$ lb.

= $\frac{7}{16}$ lb.

f. 20 oz = $1\frac{4}{16}$ lb = $1\frac{1}{4}$ lb

20 oz = 20 × 1 oz

= 20 × $\frac{1}{16}$ lb

= $\frac{20}{16}$ lb

= $1\frac{4}{16}$ lb = $1\frac{1}{4}$ lb

g. 1 pt = $\frac{1}{2}$ qt

1 pt = 1 × 1 pt

= 1 × $\frac{1}{2}$ qt

= $\frac{1}{2}$ qt

h. 4 pt = 2 qt

4 pt = 4 × 1 pt

= 4 × $\frac{1}{2}$ qt

= $\frac{4}{2}$ qt

= 2 qt

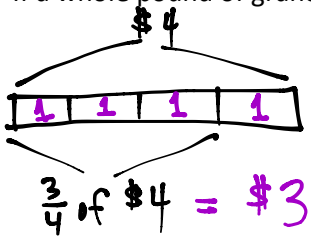
2. Marty buys 12 oz of granola.
   a. What fraction of a pound of granola did Marty buy?

12 oz = ___ lb
= 12 × 1 oz
= 12 × $\frac{1}{16}$ lb = $\frac{12}{16}$ lb

$\frac{12}{16}$ lb or $\frac{3}{4}$ lb

Marty bought $\frac{3}{4}$ lb of granola.

   b. If a whole pound of granola costs $4, how much did Marty pay?



Marty paid $3

3. Sara and her dad visit Yo-Yo Yogurt again. This time, the scale says that Sara has 14 oz of vanilla yogurt in her cup. Her father's yogurt weighs half as much. How many pounds of frozen yogurt did they buy altogether on this visit? Express your answer as a mixed number.

Sara = 14 oz.

Dad = 7 oz

14 × 0.5 = 14 × $\frac{5}{10}$
= $\frac{14 \times 5}{10}$
= $\frac{70}{10}$ = 7

21 oz = 16 oz + 5 oz
= $1\frac{5}{16}$ lb.

4. An art teacher uses 1 quart of blue paint each month. In one year, how many gallons of paint will she use?

1 quart × 12 = 12 quarts

12 quarts = 12 × 1 quart
= 12 × $\frac{1}{4}$ gallon
= $\frac{12}{4}$ gallon
= 3 gallons

She will use 3 gallons in one year.