G5-M4-Lesson 19

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

a. $9 \text{ in} = \_\_\_\_ \text{ ft}$

$9 \text{ in} = 9 \times 1 \text{ in}$

$= 9 \times \frac{1}{12} \text{ ft}$

$= \frac{9}{12} \text{ ft}$

$= \frac{3}{4} \text{ ft}$

I know that 1 foot = 12 inches and 1 inch = $\frac{1}{12}$ foot.

9 inches is equal to 9 times 1 inch. I can rename 1 inch as $\frac{1}{12}$ foot and then multiply.

b. $20 \text{ oz} = \_\_\_\_ \text{ lb}$

$20 \text{ oz} = 20 \times 1 \text{ oz}$

$= 20 \times \frac{1}{16} \text{ lb}$

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

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

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

I know that 1 pound = 16 ounces and 1 ounce = $\frac{1}{16}$ pound.

20 ounces is equal to 20 times 1 ounce. I can rename 1 ounce as $\frac{1}{16}$ pound and then multiply.

2. Jack buys 14 ounces of peanuts.

What fraction of a pound of peanuts did Jack buy?

$14 \text{ oz} = \_\_\_\_ \text{ lb}$

$14 \text{ oz} = 14 \times 1 \text{ oz}$

$= 14 \times \frac{1}{16} \text{ lb}$

$= \frac{14}{16} \text{ lb}$

$= \frac{7}{8} \text{ lb}$

1 pound = 16 ounces, and 1 ounce = $\frac{1}{16}$ pound.

Jack bought $\frac{7}{8}$ pound of peanuts.