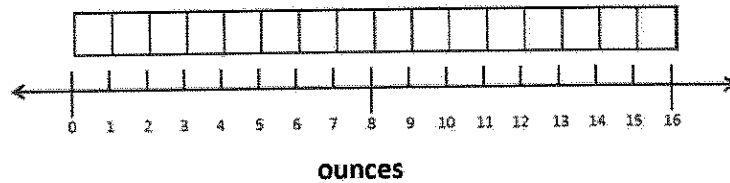


G4-M7-Lesson 13

1. Solve.



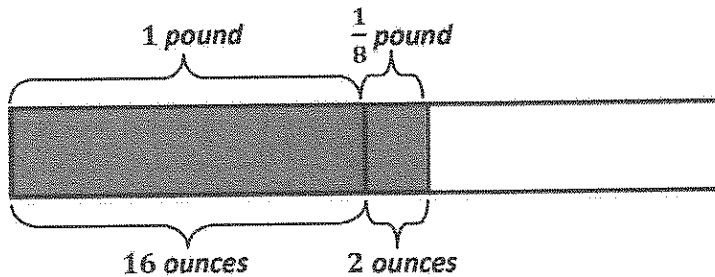
a. $\frac{2}{16}$ pound = 2 ounces

b. $\frac{8}{16}$ pound = $\frac{2}{4}$ pound = 8 ounces

c. $\frac{6}{16}$ pound = $\frac{3}{8}$ pound = 6 ounces

For part (a), I know that $\frac{1}{16}$ pound = 1 ounce, so $\frac{2}{16}$ pound = 2 ounces. For part (b), I know that $\frac{2}{4}$ pound = $\frac{1}{2}$ pound, which is equal to $\frac{8}{16}$ pound or 8 ounces. For part (c), I can make equivalent fractions. $\frac{3 \times 2}{8 \times 2} = \frac{6}{16}$. And $\frac{6}{16}$ pound = 6 ounces.

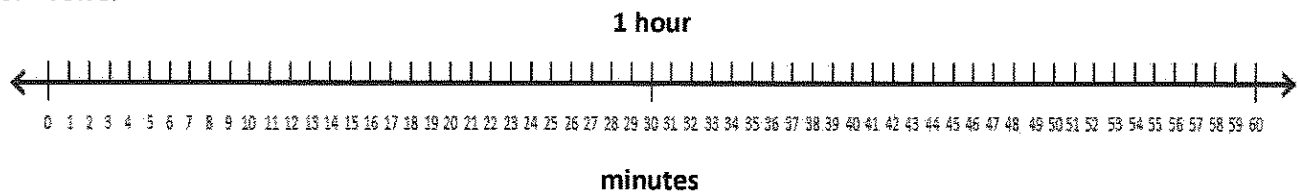
2. Draw a tape diagram to show $1\frac{1}{8}$ pounds = 18 ounces.



$16 \text{ ounces} + 2 \text{ ounces} = 18 \text{ ounces}$

I can draw a tape diagram that shows $1\frac{1}{8}$ pounds. Then I can convert the pounds to ounces. 1 pound = 16 ounces. I can use an equivalent fraction to figure out how many ounces are in $\frac{1}{8}$ pound. $\frac{1 \times 2}{8 \times 2} = \frac{2}{16}$, so $\frac{1}{8}$ pound = 2 ounces.

3. Solve.



a. $\frac{45}{60}$ hour = $\frac{3}{4}$ hour = 45 minutes

b. $\frac{40}{60}$ hour = $\frac{2}{3}$ hour = 40 minutes

For part (a), I know that $\frac{1}{4}$ hour = 15 minutes, so $\frac{3}{4}$ hour = 45 minutes = $\frac{45}{60}$ hour.
 For part (b), I know that $\frac{1}{3}$ hour = 20 minutes, so $\frac{2}{3}$ hour = 40 minutes = $\frac{40}{60}$ hour.

4. Solve.

<p>a. $3\frac{5}{8}$ pounds = <u>58</u> ounces</p> <div style="margin-left: 20px;"> \swarrow \searrow 48 10 oz oz </div>	<p>b. $4\frac{1}{4}$ lb = <u>68</u> oz</p> <div style="margin-left: 20px;"> \swarrow \searrow 64 4 oz oz </div>	<p>c. $2\frac{3}{4}$ hours = <u>165</u> minutes</p> <div style="margin-left: 20px;"> \swarrow \searrow 120 45 min min </div>
--	---	--

1 pound = 16 ounces, so 3 pounds = 3×16 ounces = 48 ounces. And $\frac{1}{8}$ pound = 2 ounces, so $\frac{5}{8}$ pound = 10 ounces. 48 ounces + 10 ounces = 58 ounces.

4 pounds = 4×16 ounces = 64 ounces. And $\frac{1}{4}$ pound = 4 ounces. 64 ounces + 4 ounces = 68 ounces.

1 hour = 60 minutes, so 2 hours = 2×60 minutes = 120 minutes. And $\frac{1}{4}$ hour = 15 minutes, so $\frac{3}{4}$ hour = 45 minutes. 120 minutes + 45 minutes = 165 minutes.