Changing Customary Units

Weight

16 oz = 1 lb

2000 lb = 1 T

Length

12 in = 1 ft

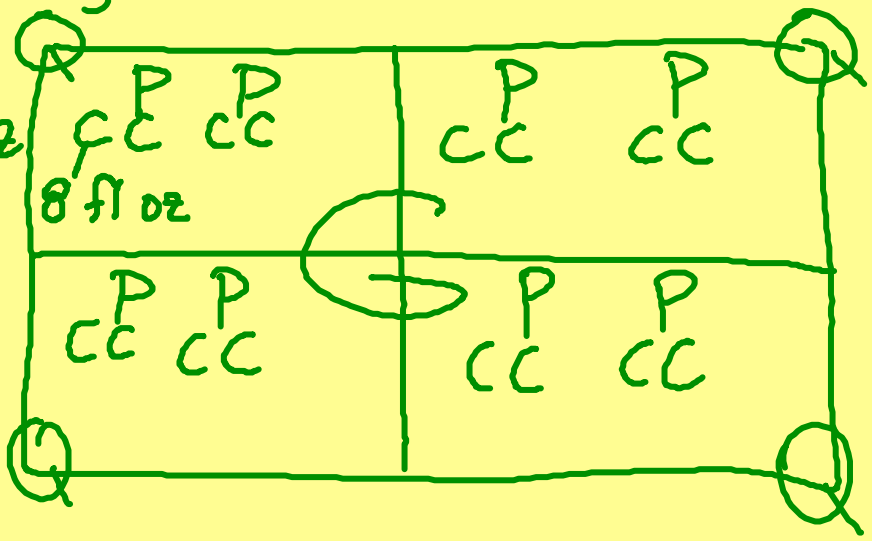
5280 ft = 1 mi

3 ft = 1 yd

1760 yd = 1 mi

Capacity

1 c = 8 fl oz



2 qt = 4 pt

$\frac{qt}{pt} = \frac{1}{2 \times 2} = \frac{2}{x}$

$x = 4$

5000 lb = 2.5 T

$\frac{lb}{T} = \frac{2000}{1} = \frac{5000}{x}$

$\frac{2000x}{2000} = \frac{5000}{2000}$

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

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3 gal = 12 qt

$\frac{gal}{qt} = \frac{1}{4 \cdot 3} = \frac{3}{x}$

$x = 12$

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96 oz = 6 lb

$\frac{oz}{lb} = \frac{16}{1 \cdot 6} = \frac{96}{x}$

$x = 6$

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3 gal = 48 c

$\frac{gal}{c} = \frac{1}{16 \cdot 3} = \frac{3}{x}$

$x = 48$

$18,480\text{ ft} = 3\frac{1}{2}\text{ mi}$

$\frac{\text{ft}}{\text{mi}} = \frac{5280}{1} = \frac{18,480}{x}$

$5280x = 18,480$

$\frac{5280x}{5280} = \frac{18,480}{5280}$

$x = 3.5$

$4\text{ ft} = 48\text{ in}$

$\frac{\text{ft}}{\text{in}} = \frac{1 \cdot 4}{12 \cdot 4} = \frac{4}{x}$

$x = 48$

2 | 1848	528
2 | 924	264
2 | 462	132
3 | 231	66
11 | 77	22
7	2