Converting Customary Units

		There are:	Ratio:	How to solve:
Fluid Ounce	Cup	8 ounces in 1 cup	$\dfrac{8\ ounces}{1\ cup}$	1. Set up a proportional relationship of equivalent ratios.
	Pint	16 ounces in 1 pint	$\dfrac{16\ ounces}{1\ pint}$	2. Make sure that the measurements are the same in each numerator and each denominator.
	Quart	32 ounces in 1 quart	$\dfrac{32\ ounces}{1\ quart}$	
	Gallon	128 ounces in 1 gallon	$\dfrac{128\ ounces}{1\ gallon}$	
Cup	Pint	2 cups in 1 pint	$\dfrac{2\ cups}{1\ pint}$	3. $(\dfrac{ounces}{cups} = \dfrac{ounces}{cups})$
	Quart	4 cups in 1 quart	$\dfrac{4\ cups}{1\ quart}$	4. Then, cross multiply.
	Gallon	16 cups in 1 gallon	$\dfrac{16\ cups}{1\ gallon}$	5. If you have two numbers to multiply, then you have your answer.
Pint	Quart	2 pints in 1 quart	$\dfrac{2\ pints}{1\ quart}$	6. $\dfrac{8\ ounces}{1\ cup} = \dfrac{?\ ounces}{4\ cups}$
	Gallon	8 pints in 1 gallon	$\dfrac{8\ pints}{1\ gallon}$	7. $8 * 4 = 32$ ounces in 4 cups
Quart	Gallon	4 quarts in 1 gallon	$\dfrac{4\ quarts}{1\ gallon}$	8. If your cross multiplication sets up a division problem, then divide and you will have your answer.
Ounce	Pound	16 ounces in 1 pound	$\dfrac{16\ ounces}{1\ pound}$	
	Ton	32,000 ounces in 1 ton	$\dfrac{32,000\ ounces}{1\ ton}$	
Pound	Ton	2,000 pounds in 1 ton	$\dfrac{2,000\ pounds}{1\ ton}$	9. $\dfrac{8\ ounces}{1\ cup} = \dfrac{96\ ounces}{?\ cups}$
				10. $\dfrac{96}{8} = 96 \div 8 = 12$ cups
Inch	Foot	12 inches in 1 foot	$\dfrac{12\ inches}{1\ foot}$	
	Yard	36 inches in 1 yard	$\dfrac{36\ inches}{1\ yard}$	
	Mile	63,360 inches in 1 mile	$\dfrac{63,360\ inches}{1\ mile}$	
Foot	Yard	3 feet in 1 yard	$\dfrac{3\ feet}{1\ yard}$	
	Mile	5,280 feet in 1 mile	$\dfrac{5,280\ feet}{1\ mile}$	
Yard	Mile	1,760 yards in 1 mile	$\dfrac{1,760\ yards}{1\ mile}$	