

a.

c.

e.

		С	on	ver	t c	US	tor	Ma	ary	уι	uni	ts	inv	vol	vir	ng	fra	cti	on	S					
	Сс	nve	ert	the	fo	llov	vin	g.	Si	mŗ	olif	уу	ou	r ar	ารง	ver	as	mu	ch	as	po:	sibl	e.		
Cup	os = (	3 1/2	pir	its								b.		102	flu	iid (	oun	ces	=			gā	ıolla	าร	
qua	rts =	1 2	gall	ons								d.				qu	art	s =	1 4	gall	ons				
																								A.	~
pints =			qι	uart	S																				



## mathskills4kids

N. I.	<u> </u>	
Name:		
INGINE:	Class:	

## Convert customary units involving fractions

	Convert the following. Simplify your an	swer as much as posible.
a.	7 Cups = $3\frac{1}{2}$ pints	<b>b.</b> 102 fluid ounces = $\frac{51}{64}$ gallons
	If 1 pint = 2 cups  Therefore, $3\frac{1}{2}$ pints = $2 \times 3\frac{1}{2}$ $\xrightarrow{2}$ $\times \frac{7}{2}$	If 128 fluid ounces = 1 gallon Therefore, 102 fluid ounces = $\frac{102}{128}$ gallons
	14 2 2x7 = 7 cups 2	$= \frac{51 \times 2}{64 \times 2} = \frac{51}{64} \text{ gallons}$
	So, 7 cups = $3\frac{1}{2}$ pints	So, 102 fluid ounces = $\frac{51}{64}$ gallons
c.	2 quarts = $\frac{1}{2}$ gallons	<b>d.</b> 1 quarts = $\frac{1}{4}$ gallons
	If 1 gallon = 4 quarts  Therefore, $\frac{1}{2}$ gallon = $4 \times \frac{1}{2}$ = $4 \times \frac{1}{2}$ = 2 quarts	If 1 gallon = 4 quarts  Therefore, $\frac{1}{4}$ gallon = $4 \times \frac{1}{4}$ = $4 \times \frac{1}{4}$ = 1 quarts
	So, 2 quarts = $\frac{1}{2}$ of a gallon	So, 1 quarts = $\frac{1}{4}$ of a gallon
e.	$37 \text{ pints} = 18 \frac{1}{2} \text{ quarts}$	
	If 2 pints = 1 quarts,  Therefore 37 pints = $\frac{37}{2}$ quarts	
	$\frac{37}{2}$ quarts = $18\frac{1}{2}$ quarts	
	So, 37 pints = $18 \frac{1}{2}$ quarts	