



FMPC10		Updated June 2018			
Two Unit Conversions (Be con	fortable working in fraction form and alv	ways reduce.}			
	ion factors. Simply follow the steps for one o				
Eg. Convert 58 inches to yards.	Conversion Factors:	Set op a	tuble		
① 58 inches $\times \frac{1 \text{ foot}}{12 \text{ inches}} = \frac{58}{12} \text{ fee}$	Step $\oplus \frac{1 \text{ foot}}{12 \text{ inches}}$ Step $\oslash \frac{13}{3}$	yard CK 11CK	(d) ? // (d) //	518/1 818	
$\textcircled{2} \frac{58}{12} feet \times \frac{1 \text{ yard}}{3 \text{ feet}} = \frac{58}{36} yards$	The unit on top is the one you are	12.12	CY TO	100 Jan 1	
	converting to!				
$\int = 1\frac{22}{36} \ yards = 1\frac{11}{18} \ yards$		2 conver	ارمن م		
39. 6025 feet = miles	40. 123450 feet = miles 41.	$2\frac{i}{\pi}$ miles = inches,	ctors		
$6025 \text{ feet} \times \frac{1 \text{ yard}}{3 \text{ feet}} = \frac{6025}{3} \text{ yards}$	123450 SK) 1 XM 1	mi			
$\frac{6625}{3} \text{ yards} \times \frac{1 \text{ mie}}{1766 \text{ yards}} = \frac{6625}{5280} \text{ miles}$	3 St 1760	Yel .			
$1\frac{745}{5200} = 1\frac{149}{1656}$ miles	2345C 23.38 ~	7			
42. 3.25 yards = inches		$24\frac{I}{3}$ yards = inches			
		J.			
	$\frac{47}{3}$ yd $\times \frac{3  \text{ft}}{1  \text{yd}} \times \frac{12  \text{in}}{1  \text{ft}} = \frac{(47)(3)(12)}{3}$ inches				
	=564 inches				
45. A cabinet maker is using 1"x3		Gary is building picture			
edge grain fir to make some cabinet doors. He purchased	steps into one	frames to sell in a market. He has 75 yards of material and will make square frames with			\
$42\frac{2}{3}$ yards on Craig's list. How many inches did he buy?		side lengths of 14 inches. How many frames can he make?		3	
		,		+ -	
			/ HW	: T 52-L	19
Mr.J's measuring wheel clicks one	for every yard it travels. On a walk	49. **A piece of paper is folded		·	is do
to school, the wheel clicks 35200 times.  47. How many inches does he walk?		in half repeatedly. The paper has a thickness of	7 (2)	13 INL	11700
48. How many miles?		1/250". How many yards thick will the paper be	(		(
		after 20 folds?		1 ^	ン. <b>`</b>
Page 15   Measurement	Copyright Mathbeacon.com. Use with permi	ission. Do not use after June 2019.			