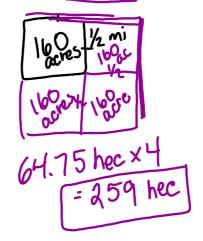


The imperial unit to measure an area of land is the acre. During the initial agricultural expansion of the western provinces, the Canadian government offered 160 acres of land free to settlers who were willing to immigrate to Canada. Today, Canada uses the hectare to measure land area:

1 hectare = 2.471 acres

a) How many hectares did each settler receive?

2,471 AC = 64.75 hec. b) One hundred sixty acres is a square with a side length of one-half a mile. How many hectares are in one square mile?



### Last Nights Homework. Any Questions????

Page 159: #1 - 4, 6, 8

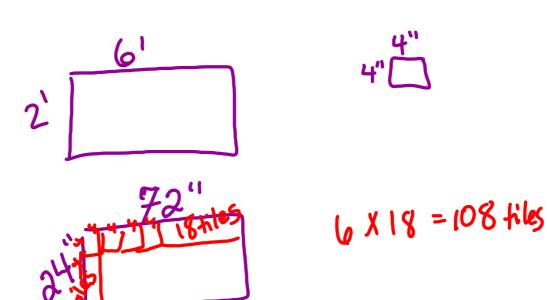
## Complete the table below...

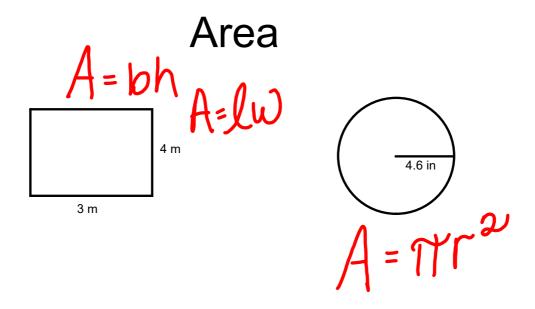
Object	mm	ft	yd	cm	in	111
Thickness of hardwood floor	19					
Height of a		9				
Width of a football field			55			
Length of a pencil				18		
Height of a table					29	
A home run in baseball						135

Section 1.3 - Converting Metric and Imperial sys											
omplete the table. SOLUTIONS											
Object	mm	ft	yd	cm	in	m					
Thickness of hardwood floor	19	0.0625	0.021	1.9cm	0.75	0.019					
Height of a room	2743.2	9	3	274-32	108	2.74					
Width of a football field	50 292	165	55	5029.2	1980	50.29					
Length of a pencil	180	0.59	0.2	18	7.09	0.18					
Height of a table	736.6	2.42	0.81	73.66	29	0.74					
A home run in					10	125					
	135000	442.9	147.6	13500	5314.9	135					

9ft x 
$$\frac{13}{1}$$
 in =  $\frac{108}{1}$  x  $\frac{3.64}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$   $\frac{3}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$   $\frac{3}{1}$  cm =  $\frac{1}{1}$   $\frac{3}{1}$   $\frac{3}{$ 

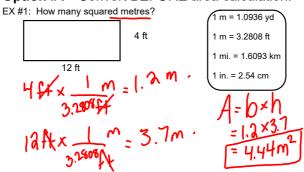
 $4tf \times \frac{3 tt}{189} = 289$ 





#### Converting Squared Units...

Option #1 - Convert BEFORE area calculation.

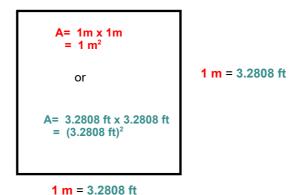


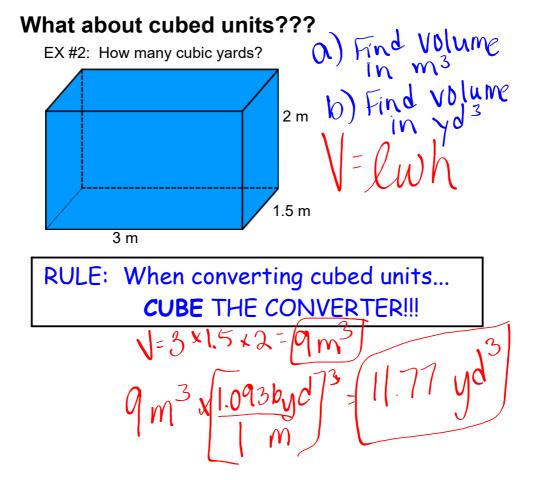
Option #2 - Convert AFTER area calculation.

$$| 12 \text{ ft} | 4 \text{ ft} | = 4 \times 12$$

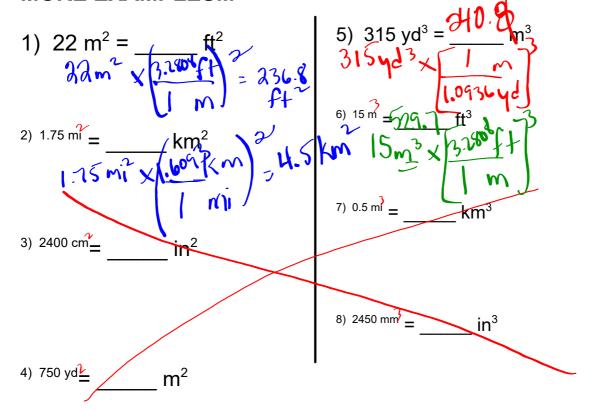
$$= 4 \times 12$$

RULE: When converting squared units... SQUARE THE CONVERTER!!!





### **MORE EXAMPLES...**



# HOMEWORK...

Worksheet - Converting Squared and Cubed Units.docx

Questions: 1-10

Worksheet - Converting Squared and Cubed Units.docx