U1D1 MAP 4CI Metric and Imperial Conversions			
N	ote: To convert multiply by a	n appropriate ratio so the o	ld units divide out.
	value in old unit	$\int_{S}$ conversion in new u	nits
	value în ola unu	<i>conversion in old units</i>	
1)	Convert each measure		
	a) 8 feet to inches	b) 5400 m to km	c) 124 inches to yards
2)	Converting Imperial to metric a) 5 gallons to Litres	b) 8.9 km	to miles
	c) 25 mL to fluid ounces	d) 3 in to 1	mm
	e) 15 ounces to kg	f) 4 kg to	pounds and ounces

## 3) Converting Areas

"It is not the same as converting distances. Here is a different method you can use to convert areas in different units of measurement if you already know the appropriate conversions for lengths.:
3a) Convert 16 miles<sup>2</sup> to km<sup>2</sup>.

Consider 1 mile<sup>2</sup>. Convert the side lengths to km first – then calculate the area using these new measures.



1 mile

3b) Convert 5500 cm<sup>3</sup> to Litres 3c) Convert 10 ft<sup>2</sup> to m<sup>2</sup> 3d) Convert  $0.29m^3$  to ft<sup>3</sup>