### **Curriculum Outcome**

M3: Solve problems using SI and imperial units that involve linear measurement using estimation and measurement strategies

Student Friendly: The relationship between measurement units such as

1 m = 1.0936 yd

1 m = 3.2808 ft

1 mi= 1.6093 km

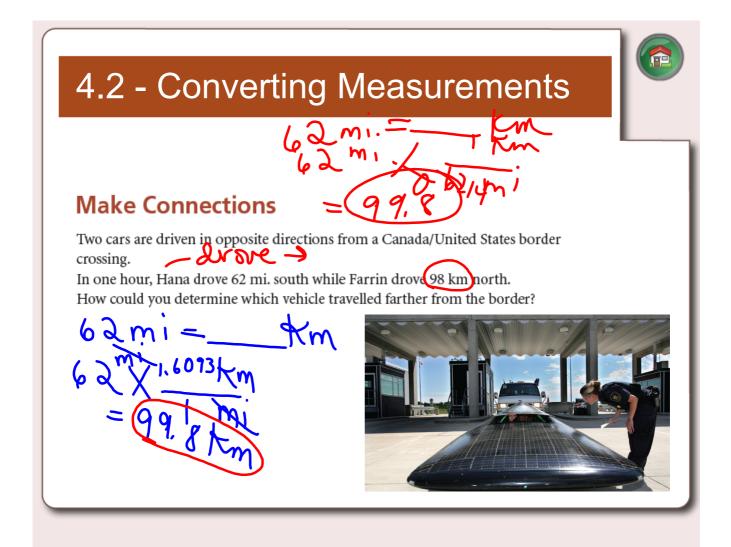
1 in = 2.54 cm







# Quiz



of measure.

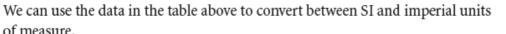
Each measurement in the imperial system relates to a corresponding measurement in the SI system.



Sor exa 1 ir 1 y

This table shows some approximate relationships between imperial units and SI units.

SI Units to Imperial Units	Imperial Units to SI Units
1 mm ≐ ?	1 in. ≐ ?
1 cm = ?	1 ft. ≐ ?
	1 ft. ≐
$1 \text{ m} \doteq ?$	1 yd. ≐ ?
1 m ≐	1 yd. ≐
1 km ≐ ?	1 mi. ≐ ?



1.3 Relating SI and Imperial Units

## **MUST KNOW CONVERSIONS...**

#### **Imperial Conversion**

1 ft = 12 in

1 yd = 3 ft

1 mi = 1760 yd

#### **Metric Conversions**

1 km = 1000 m

1 m = 100 cm

1 cm = 10 mm

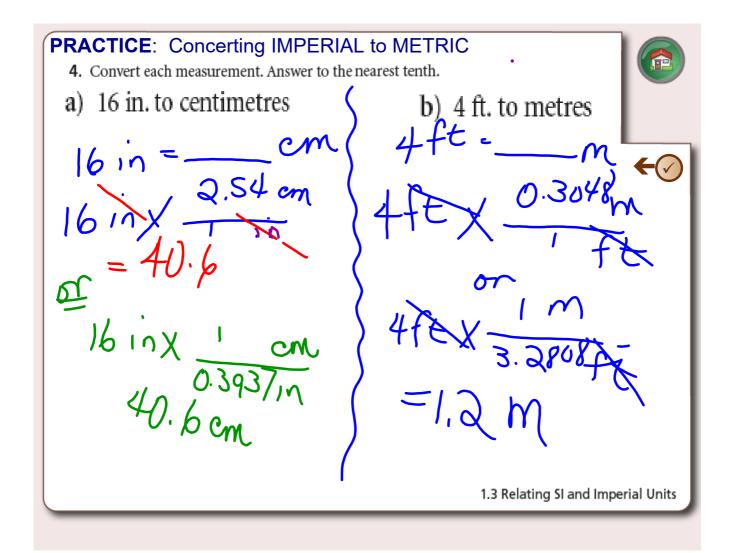
#### **Between SI and Imperial**

1 m = 1.0936 yd

1 m = 3.2808 ft

1 mi. = 1.6093 km

1 in. = 2.54 cm



Worksheet - Converting Measurements.docx

Worksheet - Converting Imperial Lengths.docx