

Metric-Imperial Conversions

Learning Goal

Imperial or Metric?



Ready, Set, Google!

1) What 3 countries still make use of the Imperial System of Measurement?

US, Liberia, Myanmar
(Africa) (Asia)

2) Why is the Imperial System still used today?

- tradition
- comfort

Precise is Nice!

E.g., Canadian Airline Mishap

The *Gimli Glider*



E.g., Mars Orbiter Destroyed

<http://abcnews.go.com/Archives/video/sept-23-1999-mars-orbiter-destroyed-11002953>



<http://www.cnn.com/TECH/space/9909/30/mars.metric/>



Ready to Convert? Research, first!

Find at least one, measurement relationship between a metric and an imperial unit. I.e., What's the conversion factor?

Class List of Conversions...

Imperial Metric

$$1 \text{ lb} = 2.2 \text{ kg}$$

$$2.47 \text{ ac} / \text{Ha}$$

$$7 \text{ ft} = 2.13 \text{ m}$$

$$1 \text{ km} = 0.62 \text{ miles}$$

$$1 \text{ grams} = 0.0353 \text{ ounces}$$

Practice some conversions...

p10 #8 to 12

p17 #11 to 13, 15

Attachments

Scatter plots_LoBF_Slope_Practice.pdf

Scatter plots_LoBF_Slope_Practice_Solutions.pdf



gimli glider-SD.mp4