Warm up

Sept 18

Perform the following conversions.

1. 256 cm = 8.40 ft

$256\text{ cm} \times \frac{1\text{ in}}{2.54\text{ cm}} \times \frac{1\text{ ft}}{12\text{ in}}$

2. 3 mi^2 = 7769539.47 m^2

$3\text{ mi}^2 \times \left(\frac{1.6093\text{ km}}{1\text{ mi}}\right)^2 \times \left(\frac{1000\text{ m}}{1\text{ km}}\right)^2$

7770153.3 ...

$3\text{ mi}^2 \times \left(\frac{1760\text{ yd}}{1\text{ mi}}\right)^2 \times \left(\frac{1\text{ m}}{1.0936\text{ yd}}\right)^2$

3. 21 m^3 = 741.58 ft^3

$21\text{ m}^3 \times \left(\frac{1.0936\text{ yd}}{1\text{ m}}\right)^3 \times \left(\frac{3\text{ ft}}{1\text{ yd}}\right)^3$

Homework

Worksheet - Converting Area

Worksheet - Converting Volume

Attachments

Worksheet - Converting Areas Imp_Metric.pdf