

Conversions

$$62.5 \text{ in} = \underline{\hspace{2cm}} \text{ cm}$$

$$62.5 \text{ in} \times \frac{2.54 \text{ cm}}{1 \text{ in}} = 158.75 \text{ cm}$$

Area

$$67.5 \text{ ft}^2 = \underline{\hspace{2cm}} \text{ cm}^2$$

$$67.5 \text{ ft}^2 \times \left(\frac{12 \text{ in}}{\text{ft}} \right)^2 \times \left(\frac{2.54 \text{ cm}}{\text{in}} \right)^2 = 62709.55 \text{ cm}^2$$

Volume

$$102409 \text{ yd}^3 = \underline{\hspace{2cm}} \text{ km}^3$$

$$102409 \text{ yd}^3 \times \left(\frac{1 \text{ mi}}{1760 \text{ yd}} \right)^3 \times \left(\frac{1.6093 \text{ km}}{\text{mi}} \right)^3 = 0.000078 \text{ km}^3$$

_____ cubic feet = 21 cubic meters

$$21 \text{ m}^3 \times \left(\frac{1.0936 \text{ yd}}{\text{m}} \right)^3 \times \left(\frac{3 \text{ ft}}{1 \text{ yd}} \right)^3 = 741.58 \text{ ft}^3$$

Homework

1. Area conversion sheet
2. Volume conversion sheet