

Convert the following.

1. 2.5 feet = 76.2 cm

$$2.5 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} \times \frac{2.54 \text{ cm}}{1 \text{ in}}$$

2. 3.2 square yards = 4147.2 square inches

$$3.2 \text{ yd}^2 \times \left(\frac{3 \text{ ft}}{1 \text{ yd}} \right)^2 \times \left(\frac{12 \text{ in}}{1 \text{ ft}} \right)^2$$

3. 5 mi² = 12 949 232.45 m²

$$5 \text{ mi}^2 \times \left(\frac{1.6093 \text{ km}}{1 \text{ mi}} \right)^2 \times \left(\frac{1000 \text{ m}}{1 \text{ km}} \right)^2$$

$$5 \text{ mi}^2 \times \left(\frac{1760 \text{ yd}}{1 \text{ mi}} \right)^2 \times \left(\frac{1 \text{ m}}{1.0936 \text{ yd}} \right)^2 = 12\,950\,255.5$$

Class / Homework

Area conversion worksheet