

Name: _____

1. Order from smallest to largest: ~~a centimeter~~, ~~a meter~~, ~~a kilometer~~, ~~an inch~~, ~~a foot~~, a mile

cm , in , foot , metre , km , mile
Smallest Largest

2. Convert

a) 5 yards into feet

$$\frac{1 \text{ yd}}{3 \text{ ft}} = \frac{5 \text{ yds}}{x \text{ ft}} \quad 15 \text{ feet}$$

b) 10 centimeters into inches

$$\frac{1 \text{ inch}}{2.54 \text{ cm}} = \frac{x}{10} \quad 3.94 \text{ in}$$

3. Convert

a) 6.3 meters into inches

$$6.3 \text{ m} = 630 \text{ cm}$$

$$\frac{1 \text{ inch}}{2.54 \text{ cm}} = \frac{x \text{ in}}{630} \quad 248.03 \text{ in}$$

b) 6 feet, 2 inches into centimeters

$$6 + 0.167 = 6.167 \text{ ft}$$

$$\frac{1 \text{ ft}}{12 \text{ in}} = \frac{x \text{ ft}}{2 \text{ in}}$$

$$\frac{1 \text{ ft}}{30.48 \text{ cm}} = \frac{6.167}{x \text{ cm}}$$

$$187.97 \text{ cm}$$

4. Michele is buying wooden boards to cover her deck which is 6 meters wide, each board is $3\frac{1}{2}$ inches wide, what is the minimum number of boards Michele must buy?

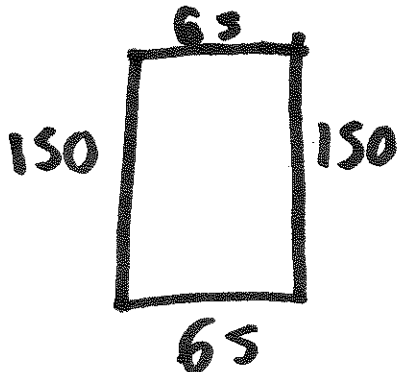
$$6 \text{ metres} = 600 \text{ cm}$$

$$\frac{1 \text{ inch}}{2.54 \text{ cm}} = \frac{x \text{ inches}}{600 \text{ cm}} \rightarrow \text{Deck is } 236.22 \text{ in long}$$

$$236.22 \div 3.5 = 67.49$$

Michele needs 68 boards

5. Every practice Coach Louisa makes her players run 2 laps of a regulation Canadian Football field which is a rectangle 150 yards by 65 yards. If they have practices twice a week for 12 weeks, how many total kilometers will the players have run in these warmups?



$$65 + 65 + 150 + 150 = 430 \text{ yards per lap}$$

$$\begin{array}{r} 430 \\ \times 2 \\ \hline 860 \text{ yards per practice} \end{array}$$

$$\begin{array}{r} 860 \\ \times 2 \\ \hline 1720 \text{ yards per week} \end{array}$$

$$\begin{array}{r} 1720 \\ \times 12 \\ \hline 20,640 \text{ yards total} \end{array}$$

$$\frac{1 \text{ yd}}{0.9144 \text{ m}} = \frac{20640 \text{ yds}}{x \text{ m}}$$

$$\underline{18873.22 \text{ m}}$$

18.87 Km