

$$7.a. \quad 3\cancel{\text{ft}} \times \frac{12 \text{ in}}{1 \cancel{\text{ft}}} = 36 \text{ in}$$

$$b. \quad 63\cancel{\text{yd}} \times \frac{3 \text{ ft}}{1 \cancel{\text{yd}}} = 189 \text{ ft}$$

$$c. \quad 48 \text{ in} \times \frac{1 \cancel{\text{ft}}}{12 \text{ in}} = 4 \cancel{\text{ft}}$$

Convert 62 in to feet & inches

$$62 \text{ in} \times \frac{1 \text{ ft}}{12 \text{ in}} = \left(\frac{62}{12}\right) \text{ ft} = \underbrace{5.1667}_{5 \text{ ft}} \dots \text{ ft}$$

$$0.1667 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = 2 \text{ in}$$

5 ft, 2 in

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$$5 \text{ ft} \Rightarrow 60 \text{ in}$$

$$62 - 60 = 2 \text{ in}$$

$$1 \text{ ft} = 12 \text{ in}$$

$$1 \text{ yd} = 3 \text{ ft}$$

Convert 122 inches into yards, feet, inches.

$$122 \text{ in} \times \frac{1 \text{ ft}}{12 \text{ in}} \times \frac{1 \text{ yd}}{3 \text{ ft}} = \frac{122}{(12 \cdot 3)} \text{ yd} = 3.\overline{3889} \text{ yd}$$

$$0.3889 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = (0.3889)(3) \text{ ft} = 1.1667 \text{ ft}$$

$$0.1667 \text{ ft} \times \frac{12 \text{ in}}{1 \text{ ft}} = (0.1667)(12) = 2 \text{ in}$$

3 yd, 1 ft, 2 in

$$3 \text{ ft} = 1 \text{ yd}$$

$$1 \text{ mi} = 1760 \text{ yd}$$

Convert 8210 ft to miles, yards & feet

$$8210 \text{ ft} \times \frac{1 \text{ yd}}{3 \text{ ft}} \times \frac{1 \text{ mi}}{1760 \text{ yd}} = 1.555 \text{ mi}$$

$$0.555 \text{ mi} \times \frac{1760 \text{ yd}}{1 \text{ mi}} = 976.667 \text{ yd}$$

976 yd

$$0.667 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} = 2 \text{ ft}$$

1 mi, 976 yd, 2 ft

- 4 yd of cord.
- Each bracelet needs 8 in cord
- How many bracelets?

$$4 \text{ yd} \times \frac{3 \text{ ft}}{1 \text{ yd}} \times \frac{12 \text{ in}}{1 \text{ ft}} = 144 \text{ in}$$

$$\frac{144 \text{ in}}{8 \text{ in}} = 18 \text{ bracelets}$$

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# 8\*