

## Sec. 1.1 (Grade 10 Notes)

Imperial Unit	Abbreviation	Referent	Relationship between Units
Inch	in.	Thumb length	
Foot	ft.	Foot length	1 ft = 12 in
Yard	yd.	Arm span	1 yd = 3 ft
Mile	mi.	Distance walked in 20 min.	1 mi. = 1760 yd.  1 mi. = 5280 ft.

1. a) Convert 7 yd. to:

i) feet

ii) inches

- b)** Convert 62 in. to:  
**i)** feet and inches

**ii)** yards, feet, and inches

- 2.** Ben buys baseboard for a bedroom. The perimeter of the bedroom, excluding closets and doorway, is 37 ft.

**a)** What length of baseboard is needed, in yards and feet?

**b)** The baseboard material is sold by the yard. It costs \$5.99/yd. What is the cost of material before taxes?

- 3.** Tyrell has 4 yd. of cord to make friendship bracelets.  
Each bracelet needs 8 in. of cord.  
**a)** How many bracelets can Tyrell make?

**b)** Use unit analysis to check the conversions.

- 4.** On the map with a scale of 1:4 750 000, the distance between Seward and Anchorage in Alaska is  $1\frac{3}{4}$  in. What is the distance between these two towns to the nearest mile?