

1.2 Imperial Unit Conversion Worksheet

1) Convert the following Imperial Units.

a) 11 feet 7 inches = _____ inches

g) 4400 yards = _____ miles

b) 40 inches = _____ feet _____ inches

h) 84 inches = _____ yard _____ feet

c) 72 inches = _____ feet

i) $2\frac{3}{4}$ feet = _____ inches

d) 5 yards = _____ feet

j) $1\frac{1}{2}$ yard = _____ inches

e) 1.5 miles = _____ yard

k) 2.5 feet = _____ inches

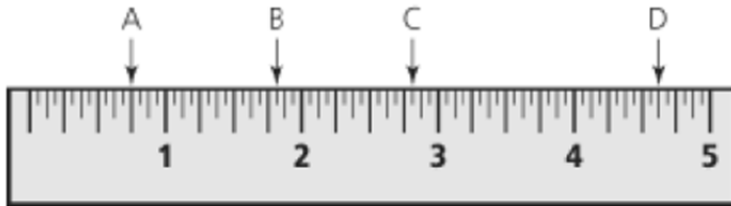
f) 3.5 miles = _____ feet

l) 39 inches = _____ feet _____ inches

m) 13 200 feet = _____ miles

n) $5 \frac{1}{4}$ feet = _____ inches

2) What reading is shown on the imperial ruler below at points A, B, C, and D?



- A _____
- B _____
- C _____
- D _____

Scale Factor Problems (*show all work*)

3) A map of Alaska has a scale of 1 : 4 750 000. The distance between Seward and Anchorage is $1\frac{3}{4}$ inches. What is the actual distance between them to the nearest mile?

4) The towns of Columbia and Seton are 2.5 cm apart on a map, and are 400 km apart real distance. What is the map scale? (scale can be left in fraction or ratio form)

5) A blue print has a scale of 1:200. A wall on the real building will be $62\frac{1}{2}$ ft long, once built. What will the length on the blue print be, in inches? (leave answer as a mixed fraction)