Imperial unit :- used by most manufacturing industries
- was replaced by the SI system

SI system :- Le systéme International d'Units
(metric) - Canada's measurements

Imperial Units		SI units/metric	
-inch	-mile	-m	-km
-foot	-acre	-cm	-dm
-yard	-ounce	-mm	-μm

Ex. #1

(a.) Convert 7yd. to:

(i.) feet
1 yd. = 3 ft

? ft = (7 yd)(3 ft)
= 21 ft

(ii) inches
1 ft = 12 inches

? in = (21 ft)(12 in)
= 252 in

When converting a LARGER unit → smaller unit, the # ↑ increase

ex. $Km \longrightarrow m$

Ex #2

Convert 62 in. to:

(i.) feet and inches   1 ft = 12 in.

$$\frac{? \text{ ft}}{62 \text{ in.}} \overset{\times 62}{=} \frac{1 \text{ ft}}{12 \text{ in}} \overset{\times 62}{\Rightarrow} \frac{62}{12} \Rightarrow 5 \frac{2}{12}$$

$\boxed{5 \text{ ft and } 2 \text{ in.}}$

(ii) yards

1 yd. = 3 ft

5 ft   2 in

↙ ↓   ↓

1 yd 2 ft 2 in.

Exercises: pg. 11 #3, 7-10, 12, 18, 19