

"I got you ten roses. I believe strong relationships are based on the metric system."

International System of Units (SI)



Système Internationale d'Unités

"metric"

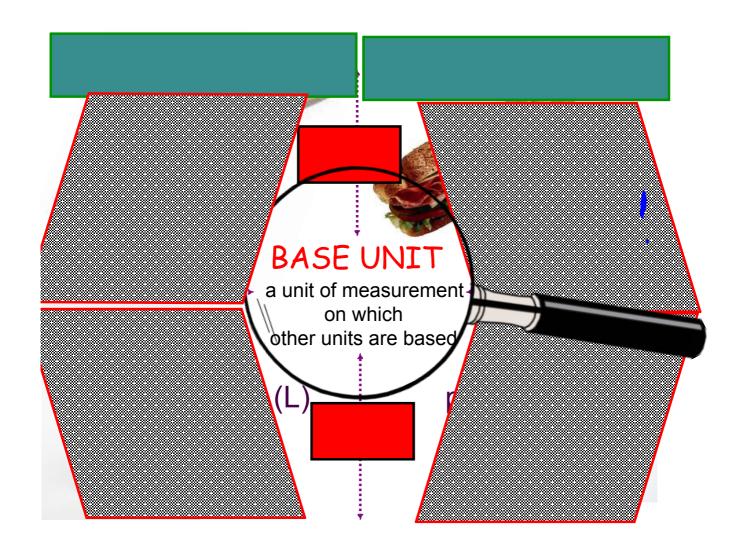


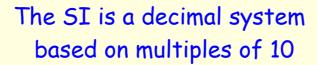
Imperial System
"standard"

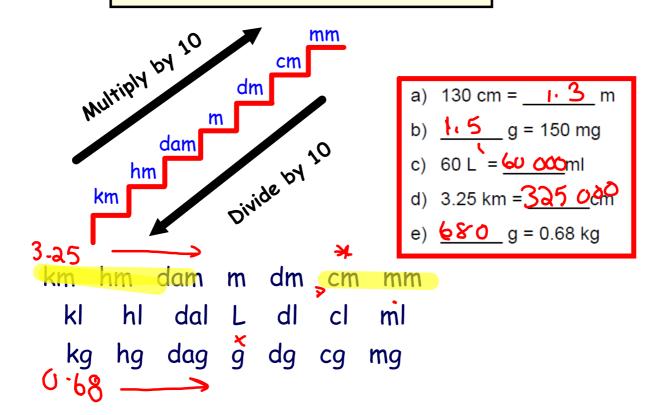










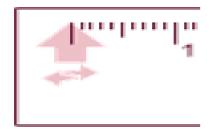


The Imperial system is NOT a decimal system

Each group of units has a particular relationship.

Some Common Imperial Units		
Length		
Unit Abbreviation	,	
inch in or "		
foot ft or '		
yard yd		
mile mi		

Take a closer look!!





Each group of units has a particular relationship.

```
inch
foot
yard
mile
```

```
12 in = 1 foot
3 feet = 1 yard
1760 yards = 1 mile
```

Imperial CONVERSIONS

Conversion Factor

Number x



Convert 20ft to inches

Number × want have
$$20 \times \text{incheo}$$

$$51.$$

$$20 \times 12 \leftarrow 2012 = 240i$$

Imperial CONVERSIONS

Convert 240" to feet

Conversion Factor =
$$\frac{\text{units you want}}{\text{units you have}}$$

$$= \frac{\text{feet}}{\text{inches}}$$

$$= \frac{1}{12}$$

Number x Conversion Factor

240 × 1/12

= 240/12

= 20



You try:

Perform the following conversions:



- a) 36 inches to feet
- b) 10 yards to feet
- c) 5000 yards to miles

a) 36 inches to feet

$$36 \times 10^{-36} \times 10^{$$

b) 10 yards to feet

$$10 \times \text{won} = 30 \text{ ft.}$$

$$10 \times \text{ft.}$$

$$10 \times 3 = 30 \text{ ft.}$$

c) 5000 yards to miles

Homework - Finis	h Worksheet
Convers	ion – (Worksheet #2)
Calculate the following conversions:	
a) 30 mi km	
b) 60 in cm	
c) 30gkg	
d) 36 ozlb e) 5000 yd mi	
e, 5000 ya	
Calculate the following perimeters:	^
a) Calculate in inches	b) Calculate in feet
	13 m
12 ft	/ /
1211	/ ,
32 ft	8 m

