Reminders 07-07-09:

- Buy Textbook and Read Chapters 1-3
- Read Syllabus; Sign Last Page of Syllabus no Later than Thursday.
- Form Study Groups
- Log into Webassign
- · Purchase "AMPAD" paper
- Need Scientific Calculator for Exams
- Significant Figures Handout
- · Check Website Occasionally
- Turn in Index Cards ASAP
- 1st Webassign due Thursday 11:59PM
- Answers to Standardized Test p.29 C,C,B,A,A;
 6a is F/m;6b is 0.001; 6c is F/(.001m)=2.7/
 (0.001*350).
- Note- some of the textbook problems have answers; please use them for practice.

Objectives:

- Unit Conversions
- Uncertainty and Significant Figures
- Physical Modeling
- · Problem Solving

GO TO WWW.HOTMATH.COM FOR REVIEW PROBLEMS FOR MATH

$$(6400)^{4} = (6.4)^{4} (10)^{4}$$

$$(6400)^{4} = (6.4)^{4} \times (10^{3})^{4}$$

$$(6.4 \times 10^{3})^{4} = (6.4)^{4} \times (10^{3})^{4}$$

$$10^{12} + 10^{3} = 10^{2}$$

$$1,000,000,000,001,000$$

$$(10^{2})(10^{4}) = 10^{2}$$

$$\frac{100 \text{ cm}}{2.54 \text{ cm}}$$
 $\frac{100 \text{ cm}}{2.54 \text{ cm}}$
 $\frac{100 \text{ cm}}{$

How many feet in 66 inches?

$$\left(66in\right)\left(\frac{1ft}{12in}\right) = 5.5ft$$

How many inches in 15 yards?

How many liters in 125 m³?

$$(125 \text{ m}^3) \left(\frac{10^6 \text{ cm}^3}{\text{m}^3} \right) \left(\frac{12}{10^3 \text{ cm}^3} \right) = 125,000 \text{ L}$$

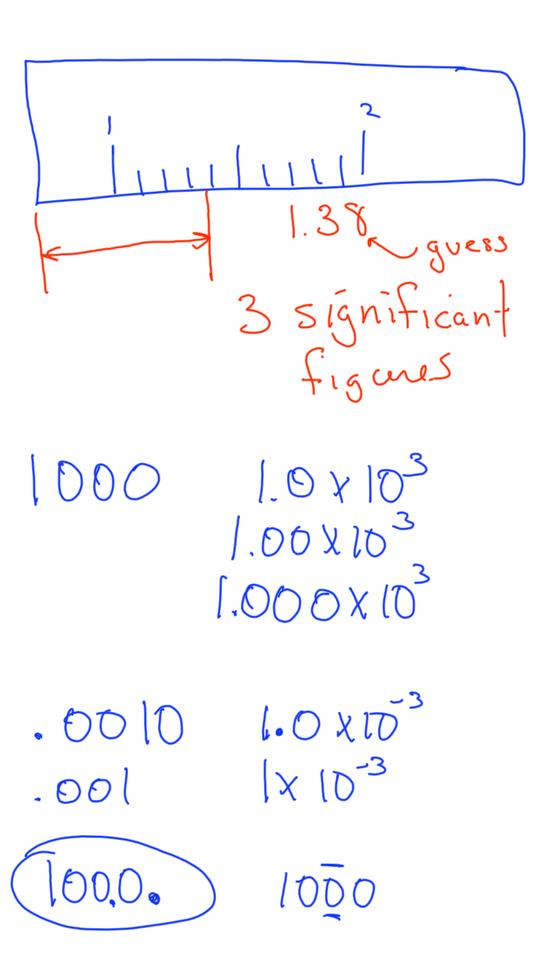
How many in³ in 4.80 liters?

$$(4.80 \text{ L}) \left(\frac{1000 \text{ cm}^3}{1 \text{ L}}\right) \left(\frac{1 \text{ in}}{2.54 \text{ cm}}\right)^3 = 2929 \text{ in}$$

How many mL in 85 gallons?

Sci. Motation X 1 DEX ponunt 2.53 \ 10 2.53£4

2.53e4



$$\frac{3.14159}{3.14159}$$
 $\frac{3.14159}{3.14159}$
 $\frac{3.14159}{3.14159}$
 $\frac{3.14159}{3.14159}$
 $\frac{3.14159}{3.14159}$
 $\frac{1.00000 - .999}{575 figs don't}$
always work,