How to estimate when measuring
EHS CA3MIs + ry $\mathscr{N}_{\boldsymbol{h}}$ G. Geest

visit http:genest.weebly.com

Announcements:

- Our first big test is Thursday, September 24, 2015
- Memorize twenty elements total by Friday September 18, 2015

1. Calculate the volume of a block that is $0.00371 \mathrm{~cm} \times 0.044 \mathrm{~cm} \times 0.68 \mathrm{~cm}$

MULTTPLUNG Round To
RULE two sigtigs

$$
\begin{aligned}
& 1 \mathrm{~cm} \times 0.044 \mathrm{~cm} \times 0.68 \mathrm{~cm} \\
& 0.0001110032 \approx 0.00011 \mathrm{~cm}^{3} .
\end{aligned}
$$

2. What is the perimeter of a rectangle that is $2.008 \mathrm{~cm} \times 5.4 \mathrm{~cm}$ ?**

ARSing Round to the tenths $14.816 \approx 14.8 \mathrm{~cm}$
For each of the following, write the scale reading, then the number of significant figures in the reading.

3.
add a zero, just like, you would add a 5 if between the black lines. That tels us it is exactly on



| "I HEARD THAT |  |  |  |
| :---: | :---: | :---: | :---: |
| EATING MEAT |  |  |  |
| GIVES YOU |  |  |  |
| CANCERI" | Intestinal <br> Cancer <br> (per <br> $100,00 /$ pe <br> ryear) | meat <br> eaten <br> (cal per <br> day) | Ignore <br> this <br> column <br> when <br> graphing |
| 7 | 1000 | Italy |  |
| 2 | 600 | Venezue <br> la |  |
|  | 7 | 700 | Israel |
| 12 | 1200 | France |  |
| 14 | 6 | 600 | Japan |

## Purpose: How do we use a graph to answer an important question. <br> Warmup: Copy this table to the Table on your sheet

Announcements:

1) Chemistry test

Thursday, September 24
2) Chemistry Homework tonight: Finish the front and back of the graph sheet

## Pick your Poison

Chronic Behavior and their Effect on Life Expectancy
Data Source: "The Norm Chronicles' . M. Blastland \& D. Spiegelhalter


## Homework assignment:

On the front, graph Cancer vs Meat.

On the back, graph Water mL vs ruler cm3 data, from our class, on today's class web page

Follow
"Rules for good graphing" sheet (in class or online)

