Significant Figure Notes

0.0056

1.23

11,380

100

100.

100.0

607.00

0.004026

100,501

SIG FIG RULES

1. Look at all the non-zero integers, what is the trend? What is the rule?

There are 3 types of zeros- left, right and sandwiched zeros.

2. Look at the left zeros, what is the trend? What is the rule?
3. Look at the sandwiched zeros, what is the trend? What is the rule?
4. The hardest one is right hand zeros. Here are some examples of right- hand zeros. The red ones are significant. Copy them down.

   0.004500 670 1000. 112.0 0.20 11,000 10

   The right-hand zeros only matter when _____.

   They do not matter when _____.

At the bottom of your paper write the 4 significant figure rules.

Multiplying and Dividing Rule- copy these down

7.9*0.0067 = 0.053

10.30*0.456 = 4.69

200 / 3.00 = 70

0.00754 / 0.0054= 1.4

Write the number of sig figs below each number, then determine the rule.

Adding and Subtracting Rule- copy these down

3.1100 + 6.128 = 9.238

754.32+25 = 779

58.614-6.4 = 52.2

1.42337- 0.0006 = 1.4228

Does the multiplying dividing rule work for this?

What determines the significant figures in these problems?