

Chapter 2 continued

1. Complete the following:

<u>Term</u>	<u>Definition</u>	<u>Picture/ example</u>
Precision		
Accuracy		
Significant Figures		

2. There is always _____ in measurements.

3. What are the Rules for Significant Figures?

a.

b.

c.

d.

e.

4. What are the Rules for Rounding?

a.

b.

5. What is the rule for adding and subtracting Significant Figures?

6. What is the rule for multiplying and dividing significant figures?

7. Practice: Adding and Subtracting Significant Figures

a. Add the following together:

a. $3.65 + 3.099 + 14.235 + 156.9909$

b. $9.98 + 9.6 + 9.$

c. $9.0 + 9. + 9.23$

b. Subtract the following:

a. $4.56 - 2.03363$

b. $2.5 - 3.$

c. $3001. - 600.236$

8. Multiplying and Dividing Significant Figures:

a. Multiply the following:

i. 2.36×10.2

ii. 3.265×0.332

b. Divide the following:

i. $3.06 / 1.0$

ii. $6.32 / 1.0236$

Conversions:

A. Convert 50060cm to meters:

B. Convert 60 Liters to Milliliters.