Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Operations and Significant Figures**

**Note Sheet**

**ADDITION and SUBTRACTION**

Precision is determined by the decimal place. The more decimal places to the right of the decimal point, the more precise the number (e.g. a number in the hundredths place is more precise than a number in the tenths place). **When ADDING or SUBTRACTING, round to the LEAST precise decimal place of the original values.**

5.52 + 6.6 + 10.0004 = 22.1204 = 22.1

Examples:

1. 13.23 + 10.2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 15 – 2.2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 100.201 + 6.5012 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 7.9 + 10.12 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 6.713 – 4.3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MULTIPLICATION and DIVISION**

Count the number of significant figures in each number you are multiplying or dividing. **When MULTIPLYING or DIVIDING, round to the LEAST number of significant figures in the original values.**

5.52 6.6 = 36.

Examples:

1. 13.23 10.2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 15 2.2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 100.201 6.5012 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 7.9 10.12 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. 6.713 4.3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_