**CW: Significant Figures C:\Users\hka16965\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4HXXZF3F\MC900332680[1].wmf**

**Name: Period:**

**Significant Figures:**

Determine the number of significant figures in each number below:

1. 123 11. 0.000300
2. 0.02300 12. 10201
3. 8900 13. 7800.
4. 910010 14. 10000
5. 9010.000 15. 918.010
6. 1090.010 16. 0.0000100
7. 0.0012 17. 0.003090
8. 8120 18. 100
9. 7.200
10. 1000.

Perform the following calculations and write your answer in the correct number of significant figures.

1. 434.54 grams + 198 grams =
2. 34.1 grams/ 1.789 mL =
3. 1.22 × 103 joules/ 32.00 seconds =
4. 0.0010 meters – 0.011 meters =
5. 369 cm + 11.10 cm + 100 cm =
6. 450 meters/ 141 seconds =
7. 88 m/s × 31.21 s =
8. 298.01 kilograms + 314.112 kilograms =