Name_____ Date_____ Block_____

Metric Mania

Part I. Complete the following unit equalities.

1 g =_____mg = _____cg =_____kg

1 m =_____mm = _____cm =_____km

1 L=_____mL = _____cL =_____kL

Part II. Using the above metric unit equalities, complete the following metric conversions.

1. 2000. mg = _____ g
2. 104 km = _____ m
3. 48 cm = _____ m
4. 8 mm = _____ m
5. 198 g = _____ kg
6. 7.5 L = _____ mL
7. 5.00 g = _____ cg
8. 500. mL = _____ L

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Part III. Write each number in scientific notation.

9. 538.35

10. 0.000045

Part IV. Determine the number of significant figures in each number.

11. 22.405

13. 600

12. 0.60010

14. 5.75×10^3

Part V. Solve and round the answer to the correct number of significant figures.

15. 5.982 / 0.0023 = _____

16. 422.15 + 23.6 + 18.503 = _____

17. 3.65 x 2.111 = _____

18. 50.2 - 0.500 = _____

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