INTOCHEMISTRY

Significant Figures Practice

STUDENT WORKSHEET

Name: _____ Date: _____

Part A: count significant figures. Part B: calculate with proper rounding. Part C: scientific notation.

1. How many significant figures are in 0.00450?

2. How many significant figures are in 105.0?

3. How many significant figures are in 200.?

4. How many significant figures are in 7.0200?

5. How many significant figures are in 0.00091?

6. How many significant figures are in 6.00×10^{4}?

7. How many significant figures are in 9001?

8. How many significant figures are in 40.0?

9. Calculate 12.3 + 0.45 + 7.891. Round appropriately.

10. Calculate 9.87 − 2.5. Round appropriately.

11. Calculate 3.20 × 4.5. Round appropriately.

12. Calculate 18.0 ÷ 6.00. Round appropriately.

13. Calculate 2.50 × 3.0. Round appropriately.

14. Calculate 0.0230 × 100.0. Round appropriately.

15. Write 2500. in scientific notation, preserving the stated precision.

16. Write 0.004500 in scientific notation, preserving the stated precision.