Name	
Section number_	
ТА	

Chem100 Worksheet 1a Scientific notation, significant figures

Write each number in scientific notation

- 1. 538.35
- 2. 1750042
- 3. 0.00000000045
- 4. 21.3

Convert these numbers to decimal format.

- 5. 8.56×10^4
- 6. 78.4×10^2
- 7. 5.020×10^5
- 8. 1.39 x 10⁻⁶

How many significant figures are in each of the following numbers?

- 8. 22.405 _____
- 9. 0.6001_____
- 10.600_____
- 11. 0.0462_____
- 12. 6.022 x 10²³_____
- 13.97.740_____

Round off each number as indicated

14. 0.3948 (round to 2 significant figures)

15. 0.4692 (round to 2 significant figures)

16. 7329.586 (round to 6 significant figures)_____

17. 899.9 (round to 3 significant figures)_____

18. 0.000105 (round to 2 significant figures)_____

Do the calculations and round to the correct number of significant figures