Nome: _____ Dote: _____ Lesson 1.5 Introducing Significant Digits Solve. 17. Round 8,708,756 to the given number of significant digits. a) 1 significant digit ______ b) 2 significant digits ______ c) 3 significant digits ______

- d) 4 significant digits _____
- 18. Round 46,009.491 to the given number of significant digits.

a)	4 significant digits	
b)	5 significant digits	
c)	6 significant digits	
d)	7 significant digits	

Solve.

- 19. If a stopwatch is capable of showing a time up to one hundredth of a second, how many significant digits in the reading of 200.0000 seconds are reliable?
- 20. In Neptune's orbit around the Sun, the farthest point from the Sun is 2,829,691,160 miles. If the distance is rounded to the nearest 100,000, how many of the trailing zeros are significant?
- 21. A measuring cylinder gives a reading of 3.67 liters. Which significant digit is the least reliable?