Name: Teacher Key Period _____

Lesson 1.5 Introducing Significant Digits

List the significant digits for each number. Then count the number of significant digits.

1. 26,701 L: 2,6,7,0 and 1 #5
2. 70.0311 L: 7,0,0,3,1 & 1 #6
3. −10.9 L: 1,0 and 9 #3
4. 0.680 L: 6,8,0 #3
5. 0.00052 L: 5,2 #2
6. −0.0007 L: 7 #1

Round each integer to the given number of significant digits.

7. 4,999 (to 1 significant digit) 5,000
8. 46,900 (to 2 significant digits) 47,000
9. 6,391,067 (to 3 significant digits) 6,390,000
10. 32,010,067 (to 5 significant digits) 32,010,000

Round each decimal to the given number of significant digits.

11. 0.0871 (to 1 significant digit) 0.09
12. −4.602 (to 2 significant digits) −4.6
13. −1.995 (to 3 significant digits) −2.00
14. −0.0098473 (to 3 significant digits) −0.00985
15. 2.17098 (to 4 significant digits) 2.171
16. 761.1060 (to 5 significant digits) 761.11