

COUNTING SIGNIFICANT FIGURES ("SIG. FIGS.") Name: _____

Determine the number of significant figures in each of the following numbers and then express each number in scientific notation.

- | | # of sig. figs. | Scientific Notation |
|----------------------------|-----------------|---------------------|
| 1) 753 | | |
| 2) 73.2 | | |
| 3) 0.001 | | |
| 4) 0.0010 | | |
| 5) 4720.50 | | |
| 6) 15000 | | |
| 7) 15000.0 | | |
| 8) 3.245×10^{-4} | | |
| 9) 0.0020003 | | |
| 10) 4001204.003 | | |
| 11) 1.0020×10^3 | | |
| 12) 84.09×10^4 | | |
| 13) 890 | | |
| 14) 4.003 | | |
| 15) 2 | | |
| 16) 10.0 | | |
| 17) 0.65800 | | |
| 18) 0.000000301 | | |
| 19) 1.000000301 | | |
| 20) 0.034×10^{-2} | | |