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Significant Digits

- A. Non-zero digits and zeros between nonzero digits are significant.

4503 - 4 significant digits
305007 - 6 significant digits
32.004 - 5 significant digits
100001 - 6 significant digits

- B. Zeros to the left of the first nonzero digit are not significant.

00304 - 3 significant digits
0.0088 - 2 significant digits
0.802 - 3 significant digits
000.001 - 1 significant digit

- C. Zeros to the right of a nonzero digit and also to the right of a decimal place are significant.

34.200 - 5 significant digits
703.0020 - 7 significant digits
000.92070 - 5 significant digits
990.000 - 6 significant digits

- D. Zeros to the right of a nonzero digit and to the left of a decimal place may or may not be significant.

340 - 2 significant digits
3400 - 2 or 3 significant digits
3400. - 4 significant digits
3400.0 - 5 significant digits