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Significant Digits - Rounding

- A. If the digit following the last digit kept is greater than 5, then increase the last digit by 1.**

If the digit following the last digit kept is less than 5, then the last digit should remain as it is.

If the digit following the last digit kept is 5 and has nonzero digits that follow, then increase the last digit by 1.

If the digit following the last digit kept is 5, not followed by nonzero digits and preceded by an odd digit, then increase the last digit by 1.

If the digit following the last digit kept is 5, not followed by nonzero digits and preceded by an even digit, then the last digit should remain as it is.

- B. When adding or subtracting numbers, the number of decimal places in the answer is determined by the same number of decimal places as the measurement with the most uncertainty.**
- C. When multiplying or dividing numbers, the number of significant digits is determined from the measurement with the least number of significant digits**
- D. In a series of calculations, get a final result first, then round.**
- E. Exact numbers have an infinite number of significant digits.**
- F. The average of a data set will have the same number of decimal places that are in their sum.**