

# Significant Figures

**Digits**

**1-9**

Always

Significant

**Leading**

**Zeros**

Never

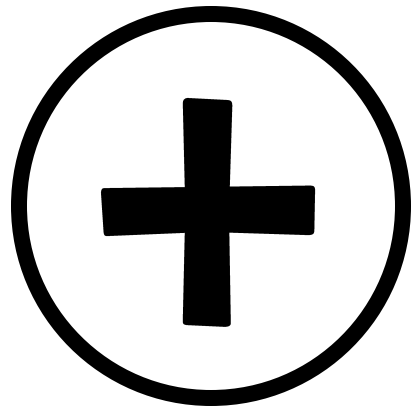
Significant

**Captive  
Zeros**

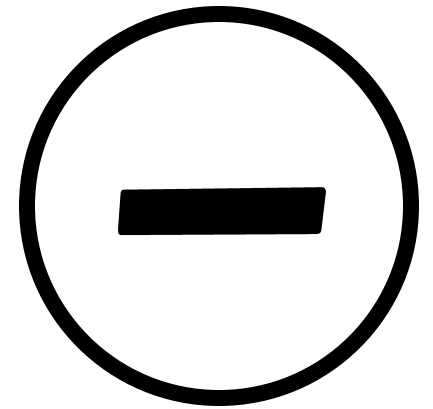
Always  
Significant

**Trailing  
Zeros**

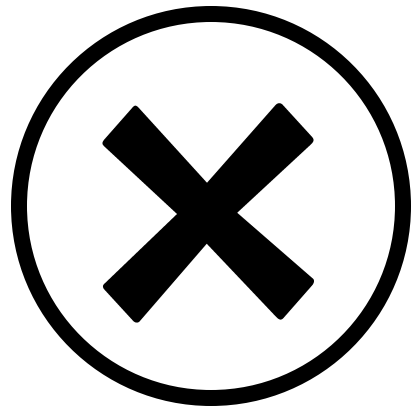
Sometimes  
Significant



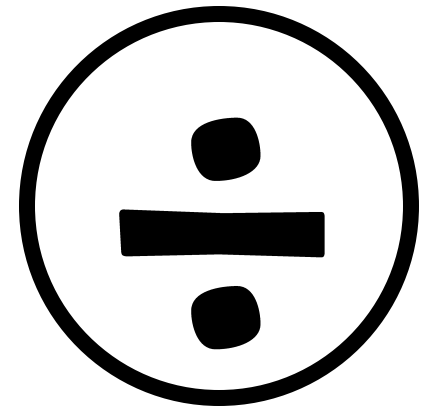
Add &  
Subtract



Round the sum or difference to the same number of decimal places as the measurement with the fewest decimal places.



Multiply &  
Divide



Round the product or quotient so that it has the same number of significant figures as the measurement with the fewest significant figures.

# Rules for Rounding

**$> 5$**       Round Up

**$= 5$**       Round to an  
Even Number

**$< 5$**       Round Down