

From Last Time:



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Spring 2014 - Bodwin

Measurements

How far is it from MSUM to NDSU?

Units – miles, minutes, steps, etc

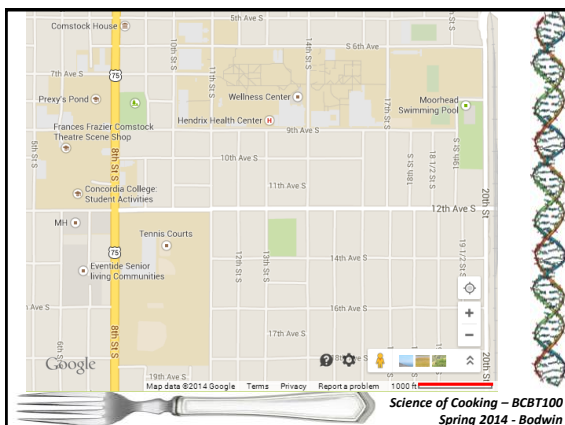
Start/End points

Uncertainty {"error"}

Significant Figures



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Uncertainty {"error"}

Indicates reliability of a number
or variability in repeated
measurements

Communicates precision and
accuracy

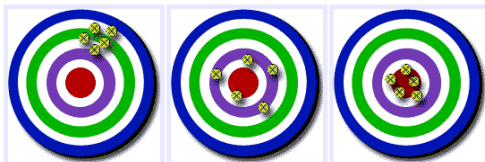


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Precision & Accuracy

Accuracy = bullseye

Precision = tight grouping



Low Accuracy
High Precision

High Accuracy
Low Precision

High Accuracy
High Precision



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Significant Figures

Communicates error

Rounding numbers introduces
error – be careful!



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Significant Figures

Round error to a single digit

{unless it's "1", then keep two digits}

Round the reported value to the same digit as the error is rounded.



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