What do we nad to achier our Goals

Organization Clear Expectations Clarity
come to class
Practice
AP specific Work
Ask for help
Provide help

Be interested Be interesting

Taka care of so ff Clem had stay focused

Uncertainty of a measurement is $\frac{1}{2}$ the smallest increment

Uncertainty of Averages

$$
342,356,324,330
$$

1) Find the average of the data 338
2) Find the range (max-min) $\quad 356-324=32$
3) Divide range by 2

$$
32 / 2=16
$$

4) Round uncertainty to 1 sig fig
5) Match the decimal place $338 \pm 16<10$ of the average to that of the uncertainty.
example $423,487,461460 \pm 30$

Adding and Subtracting with Uncertainties

Add the absolute
$3.25 \mathrm{~m} \pm 0.05 \mathrm{~m}$
Value of the Uncertainties
$2.97 \mathrm{~m} \pm 0.02 \mathrm{~m}$


$$
6.22 \pm 0.07
$$

