Yo...

Measurement, Precision, Accuracy and Error..

Measurement

- Why do it?
- What is it important?
- Units...

Observation

- Direct
 - You do it
 - 5 senses
- Indirect
 - You do it with help
 - From equipment

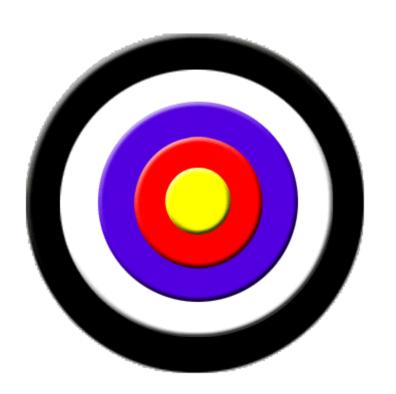
Precision

- Is your data repeatable?
- If it is you are precise!

Accuracy

- How close are you to the "right" or "exact" answer?
- If you are you are accurate!

Archery!





So...

- -Accuracy comes from?
- Precision comes from?

Errors

- What are they?
- What causes them?

Systemic Errors

- Errors with the "system".
 - Calibration
 - Observation
 - can be controlled or minimized

Random Errors

- There are Random!!!
 - Unpredictable
 - Cannot be controlled or fixed