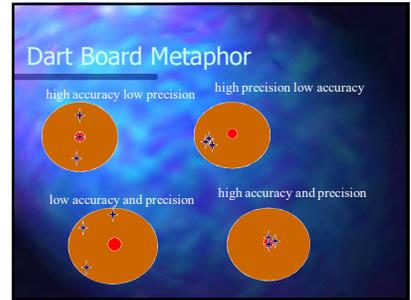


Accuracy and Precision

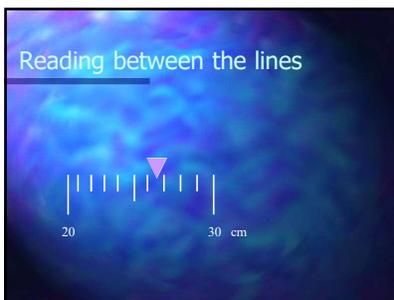
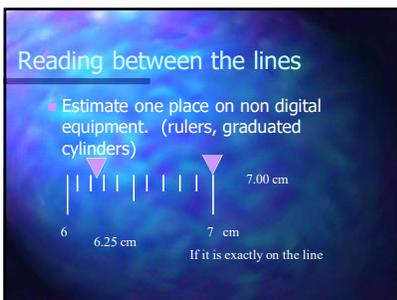
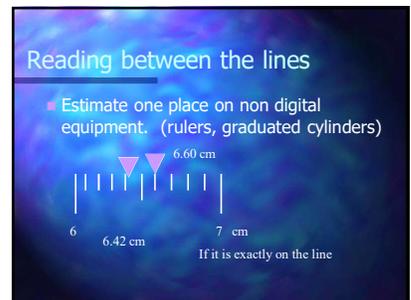
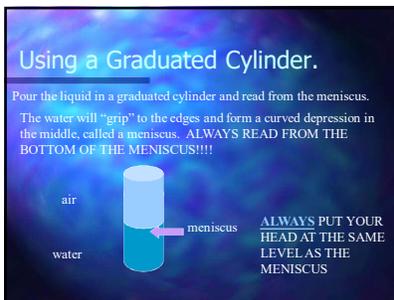
Difference between accuracy and precision

- Accuracy- how close you are to the actual answer
- Precision- how close all of your answers are to each other
- Accuracy is a measure of your lab technique, precision is a measure of your ability to duplicate what you just did



Measuring accurately

- always report all numbers given on a digital readout (Do NOT round)
- Do NOT add or delete zeros from the end!
- Make sure your reading is stable!
- Always read your equipment as accurately as you can (take your time, get close to the instrument).



What's the difference

- between 6.6 cm and 6.60 cm
- The difference is how accurately you were able to measure.
- More accuracy is always better but you can NEVER be exact
- You must report how accurate you were.

Measuring precisely

- If possible always measure three times
- If one measurement isn't close to the others always measure again.
- It is always a good idea to have your lab partner take the same reading as you to make sure you are reading it correctly.