

- Warm-up:

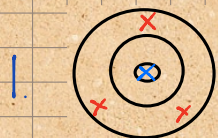
1. Listen to "What if..." pg 114.

• Accuracy: how close a series of measurements are to the accepted/actual value

↳ Take avg. of data

• Precision: how close measurements are to each other

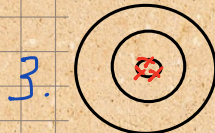
↳ Range is calculated



Accuracy: ☹️
Precision: ☹️



Accuracy: ☹️
Precision: 😊



Accuracy: 😊
Precision: 😊

• Significant Figure Rules:

1) All non-zero digits are significant

↳ $125.2876 = 7 \text{ SF's}$

2) Zeros in the middle are significant

↳ $104,308.206 = 9 \text{ SF's}$

3) Leading zeros are not significant *

↳ $0.000826 = 3 \text{ SF's}$

4) Trailing zeros in a # with a decimal are significant

↳ $15.300 = 5 \text{ SF's}$

5) Trailing zeros in a # w/out a decimal are not significant *

↳ $36,000,000 = 2 \text{ SF's}$

* Zeros here are place holders

