

Definitions and Examples:

▪ accuracy -

▪ precision -

Precision:

Good or Poor?

Average Accuracy:

Good or Poor?

Good or Poor?

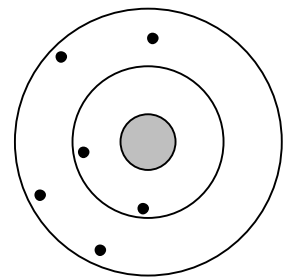
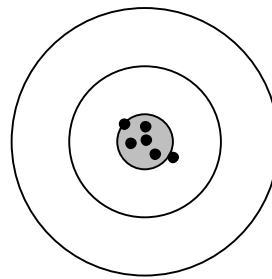
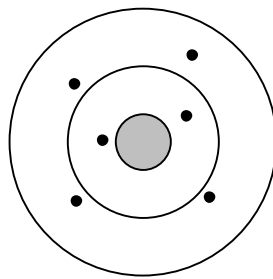
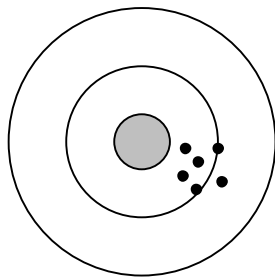
Good or Poor?

Good or Poor?

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Good or Poor?



significant digits -

▪

▪

3.21 cm has ____ significant digits. The ____ and ____ are measured and the ____ is estimated.

Eight and $\frac{1}{4}$ meter long strings should be reported as _____m or _____m.

Stop here for Lab.

Review: In a measurement, how many digits are estimated?
Is the estimated digit significant?
A measurement of 2.45m has ____ significant digits.
The ____ is the estimated digit.

(in class) Convert 2.54 m to:

_____ km, _____ Mm, _____ dm,
_____ cm, _____ mm, _____ μ m

In each, the ____ and the ____ are measured and the ____ is estimated.

The purpose of the zeros is to act as _____

A zero (can, cannot) be a measured digit. A zero _____ be an estimated digit.

Zeros are not significant when they are _____ only.

Significant digits examples and notes:

To show that a place-holding zero is significant, put a _____ over the zero.
ex:

Video Problem Set #1

- | | | |
|----|----|----|
| a. | c. | e. |
| b. | d. | |

Show What You Know

1. _____ 2. _____ 3. _____ 4. _____ 5. _____