

PRECISION AND ACCURACY

Objectives

- Distinguish among accuracy, precision, qualitative and quantitative measurements and observations

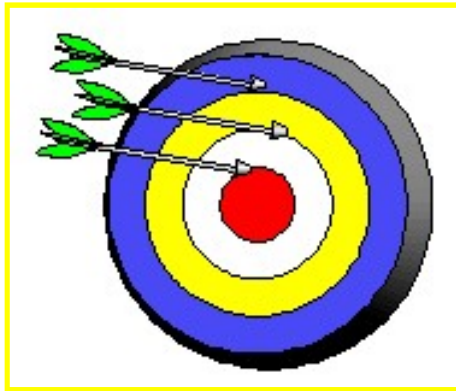
New Vocab

- Qualitative
 - Describes without numbers
- Quantitative
 - Deals with quantities (numbers)
- Describe the drawing qualitatively and quantitatively

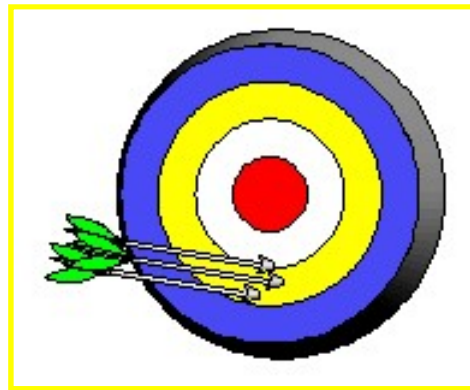
New Vocab

- Accuracy
 - How close a measurement is to its real value
- Precision
 - How close a set of measurements are to each other
 - Also the exactness of a measurement
 - 4.000 g is more precise than 4 g

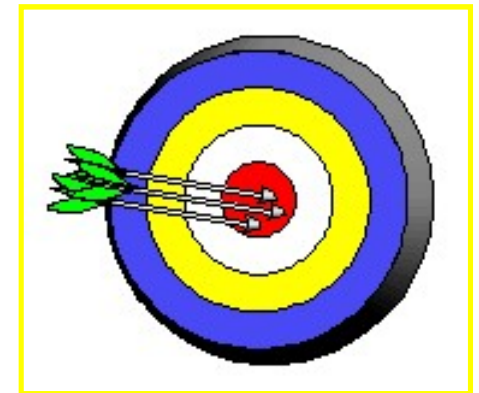
Precision and Accuracy



Neither
accurate
nor precise



Precise,
but not
accurate



Precise
AND
accurate

Activity

- Groups of two
- Develop your own example of precision and accuracy
- Draw and explain your example