

**Grade 12 ESSENTIAL  
UNIT D - PRECISION MEASUREMENT  
PRACTICE PROBLEMS - QUESTIONS**

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

*[extracted from the Mb Distance Learning Website]*

**Instructions:** *These solutions questions are to confirm your readings.*

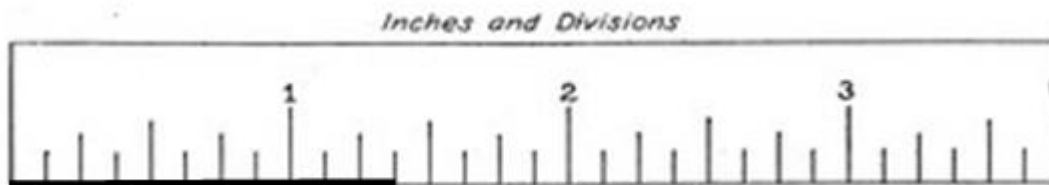
1. Accuracy is often expressed as an average of several measurements. Look at the target and explain how well the 5 shots on the target represent:

- a. Accuracy?
- b. Precision?

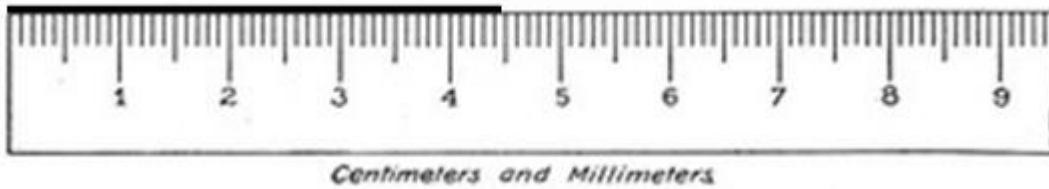


2. Measure each of the following lines using the rulers given. How precise is each measurement?

a)



b)

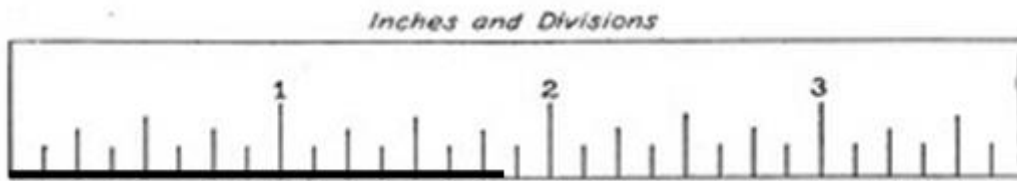


3. Measure the length of the line precise to the nearest indicated unit, using the imperial ruler provided.

a)  $1/2$ "

b)  $1/4$ "

c)  $1/8$ "

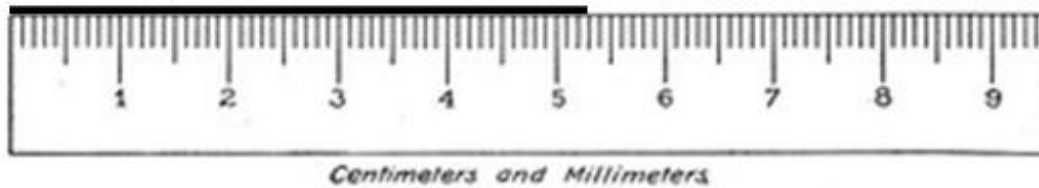


4. Measure the length of the line precise to the nearest indicated unit, using the metric ruler provided.

a) cm

b)  $1/2$  cm

c)  $1/10$  cm



5. A car dealership plans to rope off their lot. The lot measures 200 m by 80 m.
- a) How precise are the measurements?
  - b) What is the length of rope needed to section off the lot?
  - c) Calculate the least possible length of rope needed.
  - d) Calculate the greatest possible length of rope needed.
  - e) Calculate the least possible area of the lot.
  - f) Calculate the greatest possible area of the lot.