



Name: _____ Period: _____ Assigned on Wednesday, August 27, 2025

2.3 Measurement and Precision

Due Friday, August 29, 2025

Perform measurements for problems 1-3. You must estimate between the lines for one extra decimal place to make a precise measurement.

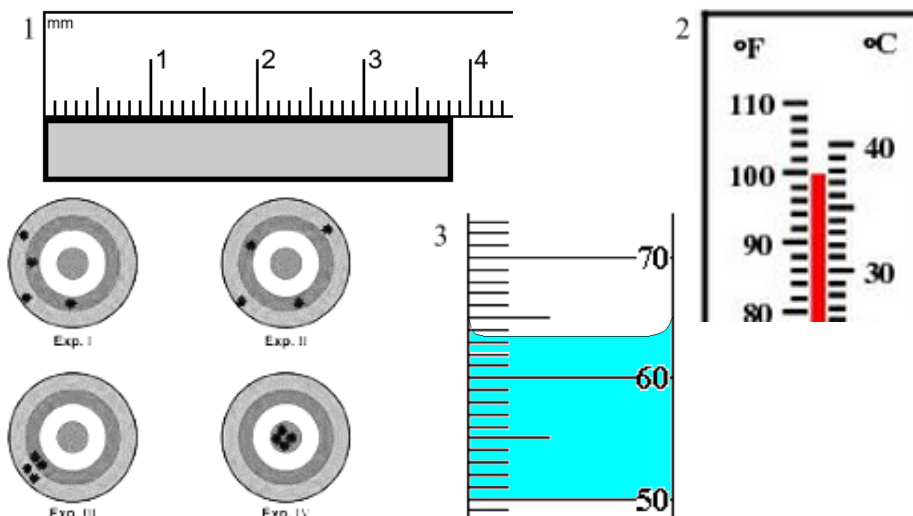
1. _____ mm

2. _____ °C

3. _____ mL

4. Which of the following diagrams to the right is:

- a) accurate and precise? _____
- b) precise but not accurate? _____
- c) neither precise nor accurate? _____



5) A student at EHS performs an experiment to test the boiling point of water. She performs three trials and measures the following temperatures in each trial: 92.1°C, 92.0°C, and 92.0°C. The accepted value for the boiling point of water in Evergreen is 95.0°C.

- a) Are the student's measurements accurate? _____
- b) Are the student's measurements precise? _____
- c) What is a possible reason that the student's measurements were lower than the accepted value? _____



Name: _____ Period: _____ Assigned on Wednesday, August 27, 2025

2.3 Measurement and Precision

Due Friday, August 29, 2025

Perform measurements for problems 1-3. You must estimate between the lines for one extra decimal place to make a precise measurement.

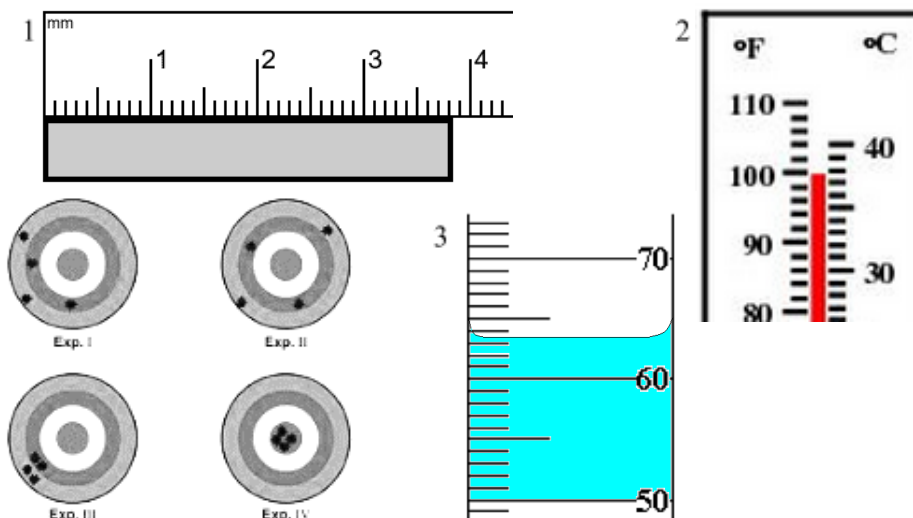
1. _____ mm

2. _____ °C

3. _____ mL

4. Which of the following diagrams to the right is:

- a) accurate and precise? _____
- b) precise but not accurate? _____
- c) neither precise nor accurate? _____



5) A student at EHS performs an experiment to test the boiling point of water. She performs three trials and measures the following temperatures in each trial: 92.1°C, 92.0°C, and 92.0°C. The accepted value for the boiling point of water in Evergreen is 95.0°C.

- a) Are the student's measurements accurate? _____
- b) Are the student's measurements precise? _____
- c) What is a possible reason that the student's measurements were lower than the accepted value? _____