

Name _____



Lab Accuracy

Directions: Find the percent error for each science experiment. Use the accepted value as the actual value. Round your answers to the nearest tenth of a percent.

1. A metal rod should be 25 cm long. A student measures 24 cm.

Percent Error: _____

2. The accepted mass of a sample is 80 g. A student measures 84 g.

Percent Error: _____

3. A liquid should have a volume of 150 mL. A student measures 147 mL.

Percent Error: _____

4. The accepted temperature of heated water is 60°C. A student records 57°C.

Percent Error: _____

5. A rock has an accepted mass of 42 g. A student measures 43.5 g.

Percent Error: _____

6. A plant is 18.0 cm tall according to the reference chart. A student measures 17.4 cm.

Percent Error: _____

7. The accepted distance a toy car traveled is 2.5 m. A student measures 2.7 m.

Percent Error: _____

8. A beaker should contain 200 mL of water. A student measures 194 mL.

Percent Error: _____

9. A wire has an accepted length of 12.5 cm. A student measures 13.0 cm.

Percent Error: _____

10. The accepted mass of a mineral sample is 96 g. A student measures 92 g.

Percent Error: _____