

Name _____



Best Measure

Directions: Find the percent error for each measurement. Then circle the measurement with the smallest percent error, which is the most accurate. Round to the nearest tenth of a percent.

$$\text{Percent Error} = \frac{|\text{Measured Value} - \text{Actual Value}|}{\text{Actual Value}} \times 100\%$$

1. Actual Length: 50 cm

Measurement	Percent Error
A. 49 cm	_____
B. 47 cm	_____
C. 52 cm	_____

Most Accurate: _____

2. Actual Mass: 80 g

Measurement	Percent Error
A. 76 g	_____
B. 79 g	_____
C. 84 g	_____

Most Accurate: _____

3. Actual Volume: 250 mL

Measurement	Percent Error
A. 255 mL	_____
B. 242 mL	_____
C. 248 mL	_____

Most Accurate: _____

4. Actual Distance: 18.0 m

Measurement	Percent Error
A. 17.4 m	_____
B. 18.5 m	_____
C. 16.8 m	_____

Most Accurate: _____

5. Actual Temperature: 40°C

Measurement	Percent Error
A. 38°C	_____
B. 41°C	_____
C. 43°C	_____

Most Accurate: _____