

Name _____



Accuracy Check

Directions: Use the percent error formula to find the percent error for each problem. Round your answers to the nearest tenth of a percent.

Percent Error Formula:

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

1. Actual length: 20 cm Measured length: 19 cm Percent Error: _____	2. Actual mass: 50 g Measured mass: 52 g Percent Error: _____
3. Actual distance: 80 m Measured distance: 76 m Percent Error: _____	4. Actual temperature: 40°C Measured temperature: 42°C Percent Error: _____
5. Actual height: 150 cm Measured height: 147 cm Percent Error: _____	6. Actual volume: 250 mL Measured volume: 260 mL Percent Error: _____
7. Actual weight: 72 kg Measured weight: 69 kg Percent Error: _____	8. Actual speed: 95 km/h Measured speed: 100 km/h Percent Error: _____
9. Actual rainfall: 18.5 cm Measured rainfall: 17.8 cm Percent Error: _____	10. Actual plant height: 34.8 cm Measured height: 36.1 cm Percent Error: _____
11. Actual water depth: 12.4 m Measured depth: 11.9 m Percent Error: _____	12. Actual rope length: 7.5 m Measured length: 7.9 m Percent Error: _____