## PERCENTAGE ERROR

Name \_\_\_\_\_

Percentage error is a way for scientists to express how far off a laboratory value is from the commonly accepted value.

The formula is:

% error = Accepted Value - Experimental Value x 100
Accepted Value absolute value

Determine the percentage error in the following problems.

1. Experimental Value = 1.24 g

Accepted Value = 1.30 g

Answer: \_\_\_\_\_

2. Experimental Value =  $1.24 \times 10^{-2}$  g Accepted Value =  $9.98 \times 10^{-3}$  g

Answer: \_\_\_\_\_

3. Experimental Value = 252 mL Accepted Value = 225 mL

Answer: \_\_\_\_\_

4. Experimental Value = 22.2 L Accepted Value = 22.4 L

Answer:

5. Experimental Value = 125.2 mg Accepted Value = 124.8 mg

Answer: \_\_\_\_\_\_