

Guided Practice: Percent Change

Name _____

Sample	Dry Weight	Wet Weight	Wet Weight – Dry Weight	$\frac{\text{Wet Weight} - \text{Dry Weight}}{\text{Dry Weight}}$
Example	2.1	2.4	$2.4 - 2.1$	$\frac{0.3}{2.1}$
1	3.1	3.6	$3.6 - 3.1$	$\frac{0.5}{3.1}$
2	3.4	4.1	$4.1 - 3.4$	$\frac{0.7}{3.4}$
3	1.5	1.8	$1.8 - 1.5$	$\frac{0.3}{1.5}$

*Weights are in grams. Answers should be rounded to the nearest tenth.

- 1) Which column in the table represents the original value? How do you know?
The Dry Weight column represents the original value because you are measuring the percent increase in weight after immersing the sample in water.
- 2) Which column in the table represents the new value? How do you know?
The Wet Weight column represents the new value because you are measuring its weight after immersing the sample in water.
- 3) Fill in the table above. Follow the example for help.
- 4) Using your calculations from the table, find the percent change for each sample.
Round to the nearest whole percent.

Sample 1: $\frac{0.5}{3.1} \times 100 \approx 16\%$

Sample 2: $\frac{0.7}{3.4} \times 100 \approx 21\%$

Sample 3: $\frac{0.3}{1.5} \times 100 = 20\%$