



Name _____ Period _____ Date _____

Converting Percents to Decimals and Decimals to Percents

Example:

Convert 87% into a decimal.

$$87\% \rightarrow \frac{87}{100} = .87.$$

This shows why the decimal point can just be moved to the left two places when converting a percent to a decimal.

Example:

Convert .243 into a percent.

$$\begin{aligned} .243 &= \frac{243}{1000} \\ &= \frac{24.3}{100} \rightarrow 24.3\% . \end{aligned}$$

This shows why the decimal point can just be moved to the right two places when converting a decimal to a percent.

Convert the percents to decimals.

1. 52%

2. $\frac{1}{4}\%$

3. 8.7%

4. $2\frac{1}{25}\%$

5. 129%

6. 3%

7. 83%

8. 0.16%

9. $\frac{3}{5}\%$

Convert the decimals to percents.

1. 0.67

2. 0.854

3. 1.23

4. 90.5

5. 0.16

6. 54.96

7. 0.7

8. 4.3

9. 0.38