Name

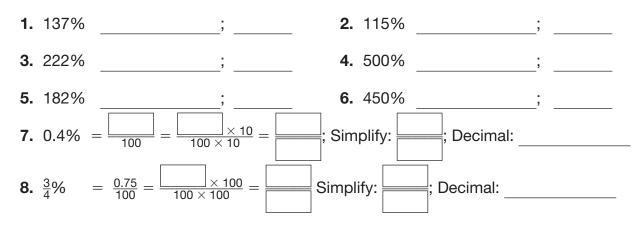
## Percents Greater Than 100 and Less Than 1

All percents can be written as fractions in simplest form and as decimals. Percents greater than 100% represent amounts greater than one whole and can be written as improper fractions and as decimals greater than 1. Percents less than 1% represent amounts less than  $\frac{1}{100}$  of the whole.

## Write 275% as a fraction in simplest form and as a decimal.

Since percent is parts per hundred, write the percent as a fraction with a denominator of 100.	<u>275</u> 100
Simplify the fraction.	$\frac{275}{100} = \frac{275 \div 25}{100 \div 25} = \frac{11}{4} = 2\frac{3}{4}$
To write the number as a decimal, divide the numerator by the denominator.	
So, $275\% = 2\frac{3}{4} = 2.75$	275 ÷ 100 = 2.75
Write $\frac{1}{5}$ % as a fraction in simplest form and as a decimal.	
Write the fraction in the percent as a decimal.	$\frac{1}{5}\% = 0.2\%$
Write the percent as a fraction with a denominator of 100.	<u>0.2</u> 100
Write the numerator as a whole number.	$\frac{0.2}{100} = \frac{0.2 \times 10}{100 \times 10} = \frac{2}{1,000}$
Simplify the fraction.	$\frac{2}{1,000} = \frac{2 \div 2}{1,000 \div 2} = \frac{1}{500}$
Divide the fraction to write the number as a decimal.	$\frac{1}{500} = 0.002$
So, $\frac{1}{5}\% = \frac{1}{500} = 0.002.$	

Write each percent as a fraction and as a decimal. Write fractions in simplest form.



## **9. Writing to Explain** Caryn and Alfonso bought school supplies. Caryn spent 130% of the amount Alfonso spent. She said that she spent 1.3 times the amount that Alfonso spent. Is Caryn correct? Explain.