

Changing Percents to Fractions

To change a percent to a fraction, write the percent as a fraction with 100 as the denominator and reduce.

EXAMPLE 1 Change 85% to a fraction.

STEP 1 Write the percent as a fraction with 100 as the bottom number.

$$\frac{85}{100}$$

STEP 2 Reduce.

$$\frac{85 \div 5}{100 \div 5} = \frac{17}{20}$$

EXAMPLE 2 Change $8\frac{1}{3}\%$ to a fraction.

STEP 1 Write the percent as a fraction with 100 as the denominator.

$$\frac{8\frac{1}{3}}{100}$$

STEP 2 You can rewrite this fraction as a division problem.

$$8\frac{1}{3} \div 100$$

STEP 3 Change the mixed number to an improper fraction.

$$\frac{25}{3} \div \frac{100}{1}$$

STEP 4 Invert the divisor and multiply, canceling where possible.

$$\frac{25}{3} \times \frac{1}{100} = \frac{1}{12}$$

Write each percent as a common fraction.

1. $35\% =$

$20\% =$

$12\frac{1}{2}\% =$

$6\% =$

2. $16\frac{2}{3}\% =$

$1\% =$

$90\% =$

$37\frac{1}{2}\% =$

3. $12\% =$

$99\% =$

$66\frac{2}{3}\% =$

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

4. $80\% =$

$33\frac{1}{3}\% =$

$4\% =$

$8\frac{1}{3}\% =$