

5.5 Percents

EQ: What is the connection between fractions, decimals, and percents?

Per - cent
↓ ↓
one hundred
divide hundred

Percent: divide by 100

Example $\frac{60}{100}$
← part
← per/divide
← whole

Example 1: Write the percent as a fraction

15%

$$\frac{15 \div 5}{100 \div 5} = \frac{3}{20}$$

125%

$$\frac{125 \div 25}{100 \div 25} = \frac{5}{4} = 1\frac{1}{4}$$

Steps: ① put percent over 100
② simplify

Example 2: Write the fraction as a percent

$$\frac{3}{50} \xrightarrow{\times 2} \frac{6}{100} = 6\%$$

Example 3: Write the fraction as a percent

simplify

$$\frac{12 \div 2}{40 \div 2} = \frac{6}{20} \xrightarrow{\times 5} \frac{30}{100} = 30\%$$