

Cornell Notes	Name: _____
Topic: Percents Lesson 5.5	Date: _____
	Period: _____

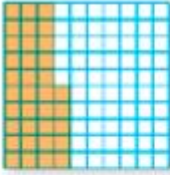
Essential Question: What is the connection between ratios, fractions, and percents?

Questions/Main Ideas:	Notes:
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Vocabulary	Percent- a part-to-whole ratio where the whole is 100
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Example 1	Writing Percents as Fractions
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a. Write 35% as a fraction in simplest form.

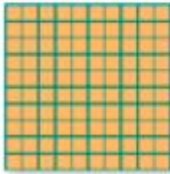


$$35\% = \frac{35}{100}$$

$$= \frac{7}{20}$$

So, 35% = $\frac{7}{20}$.

b. Write 100% as a fraction in simplest form.

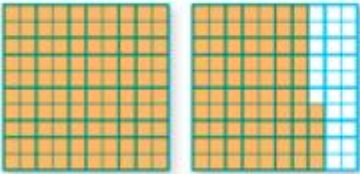


$$100\% = \frac{100}{100}$$

$$= 1$$

So, 100% = 1.

c. Write 174% as a mixed number in simplest form.



$$174\% = \frac{174}{100}$$

Write as a fraction with a denominator of 100.

$$= \frac{87}{50}, \text{ or } 1\frac{37}{50}$$

Simplify.

So, 174% = $1\frac{37}{50}$.

Example 2	Writing a Fraction as a Percent
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Write $\frac{3}{50}$ as a percent.

Set-up: $\frac{3}{50} = \frac{X}{100}$

Summary: Students should write a summary reflecting the above essential question.