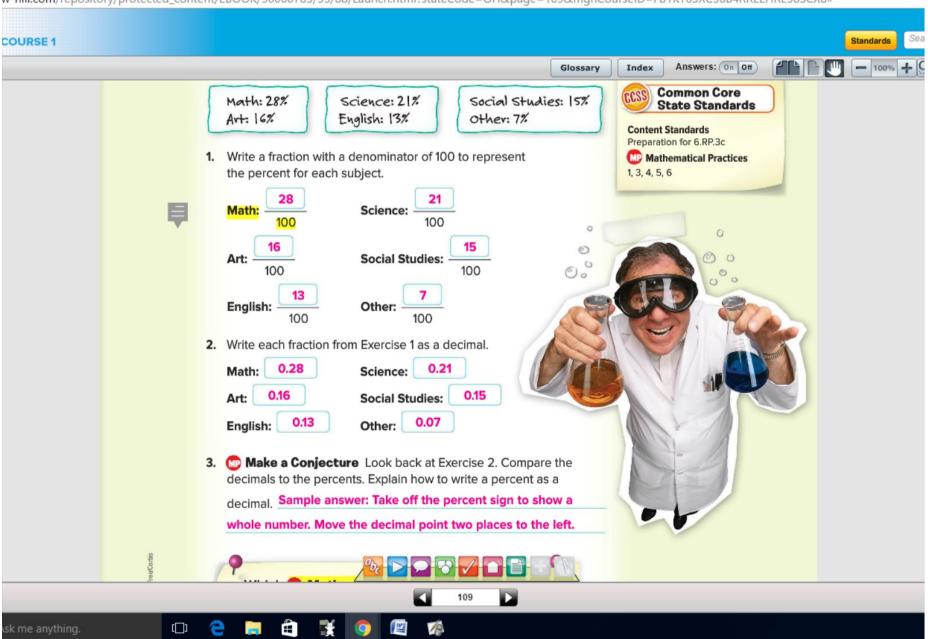
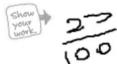
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Guided Practice



Write each percent as a decimal. (Examples 1-3)



Write each decimal as a percent. (Examples 4 and 5) 4. 0.3 = 30% 5. 0.82 = 80%

$$\frac{3}{10} = \frac{30}{100}$$

7. STEW About 0.7 of the human body is water. What percent is equivalent to 0.7? (Example 6) 70%

Rate Yourself!

How well do you understand percents and decimals? Circle the image that applies.



















Write each decimal as a percent. (Examples 4 and 5)

- 7. STEW About 0.7 of the human body is water. What percent is equivalent to 0.7? (Example 6) 70%
- 8. Q Building on the Essential Question What is the relationship between percents and decimals? Sample answer: A percent is a ratio that compares a number to 100. Percents can be converted to equivalent decimals by dividing by 100 and removing the % sign.

Rate Yourself!

How well do you understand percents and decimals? Circle the image that applies.







Clear

Somewhat Clear

Clear

For more help, go online to access a Personal Tutor.



FOLDABLES Time to update your Foldable!

Independent Practice

Go online for Step-by-Step Solutions



Write each percent as a decimal. (Examples 1-3)

$$135\% = 0.35$$
 2. $2\% = 0.02$ 3. $31\% = 0.31$ 4. $95\% = 0.95$

$$3.31\% = 0.31$$

Write each decimal as a percent. (Examples 4 and 5)

- 9. Financial Literacy A bank offers an interest rate of 4% on a savings account. Write 4% as a decimal. (Examples 1-3)
- 10. When making a peanut butter and jelly sandwich, 96% of people put the peanut butter on first. Write 96% as a decimal.

0.04





























9. Financial Literacy A bank offers an interest rate of 4% on a savings account. Write 4% as a decimal. (Examples 1-3)

0.04

10. When making a peanut butter and jelly sandwich, 96% of people put the peanut butter on first. Write 96% as a decimal.

(Examples 1-3)

0.96

In a recent year, 0.12 of Americans downloaded a podcast from the Internet. What percent is equivalent to 0.12?

(Example 6) 12%

12. In a recent year, the number of homes with digital cameras grew 0.44 from the previous year. Write 0.44 as a percent. (Example 6)

44%

13. Financial Literacy The formula I = prt gives the simple interest I earned on an account where an amount p is deposited at an interest rate r for a certain number of years t. Use the table to order the accounts from least to greatest interest earned after 5 years.

C: \$59.50, A: \$70, B: \$87.50

Accounts at First Savings Bank		
Account	p (\$)	r (%)
А	350	4
В	500	3.5
С	280	4.25

















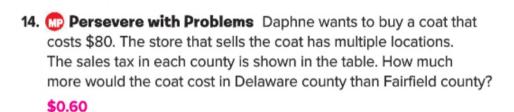












County	Tax Rate (%)	
Delaware	7.25	
Fairfield	6.5	
Franklin	6.75	

15. Dante took three tests on Friday. He got a 92% on his English test, an 88% on his math test and a 90% on his science test. Write each percent as a decimal in order from least to greatest.

0.88, 0.90, 0.92



H.O.T. Problems Higher Order Thinking

16. Reason Inductively Write a decimal between 0.5 and 0.75. Then write it as a fraction in simplest form and as a percent.

Sample answer: 0.6; $\frac{3}{5}$; 60%

17. Persevere with Problems How would you write $43\frac{3}{4}$ % as a decimal? Sample answer: Since $\frac{3}{4}$ is equal to 0.75, write $43\frac{3}{4}$ % as 43.75%. Then

change 43.75% to the decimal 0.4375.

18. Model with Mathematics Write a percent between 25% and 50%. Then

write it as a decimal and as a frac

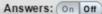














17. Persevere with Problems How would you write $43\frac{3}{4}\%$ as a decimal? Sample answer: Since $\frac{3}{4}$ is equal to 0.75, write $43\frac{3}{4}\%$ as 43.75%. Then change 43.75% to the decimal 0.4375.

- 18. Model with Mathematics Write a percent between 25% and 50%. Then write it as a decimal and as a fraction in simplest form. Sample answer: 26%; 0.26; 13/50
- 19. Reason Inductively Explain why percents are rational numbers.
 Sample answer: Every percent can be written as a fraction with a denominator of 100, and since every fraction is a rational number, every percent is a rational number.
- 20. Model with Mathematics Write a problem about a real-world situation in which you would either write a percent as a decimal or write a decimal as a percent.

Sample answer: Niko scored a 92% on his math test. Express this percent as a decimal.

21. Reason Abstractly Each square below is divided into sections of equal size. In which square is 25% of the square not shaded? Square D

Square A







Square C



114

Square D



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