

6th Grade
Jan 11, 2021

Today we will:

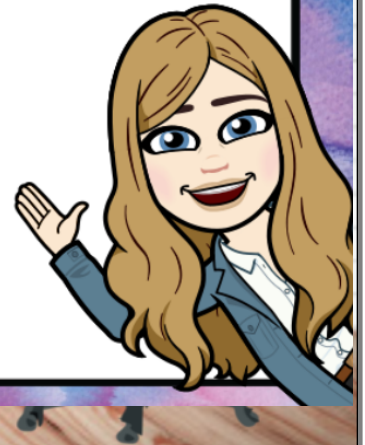
- take notes on Lesson 3, Percents and Decimals
- complete examples together
- begin HW

Are there any THQs to be turned in?

HOMEWORK:

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ALEKS assignment:
60 min and 5 topics
due TONIGHT by
11:59pm



2-3 Decimals + Percents Write directly in binder

Write % as a decimal.

32%

Two ways to do this:

① $\frac{32}{100}$ Write as a fraction.

= $0.\underline{32}$ Write as a decimal with 2 places.

② $32\% =$ Move two places to the left.

$\overset{\curvearrowright}{32},$
 0.32 Remove % sign.

6%

① $\frac{6}{100} = 0.0\underline{6}$

② $6\% = \overset{\curvearrowright}{06}, = 0.06$

93%

① $\frac{93}{100} = \boxed{0.93}$

② $93.\overset{\curvearrowright}{093}$

Write each decimal as a %.

0.47

① $0.47 = \frac{47}{100}$ Write as a fraction over 100.
 $= 47\%$ Drop the "hundredths" and Add % Sign

② $0.47 = 0.47$ Move decimal two places to the right
 47% Add % Sign.

0.73

① $\frac{73}{100} = 73\%$

② $0.73 = 73\%$

0.5

① $\frac{5}{10} \times \frac{10}{10} = \frac{50}{100} = 50\%$

② $0.5 = 50.0 = 50\%$

① $0.995 = \frac{995}{1000} \div \frac{10}{10} = \frac{99.5}{100} = 99.5\%$

② $0.995 = 0.995 = 99.5\%$

More examples to do together:

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

1. 27% = 0.27

low
high
ok.

$$\frac{27}{100} = 0.27$$

2. 15% = 0.15

$$\frac{15}{100} = 0.15$$

3. 4% = 0.04

$$0.04$$

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

4. 0.3 = 30%

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

5. 0.82 = 82%

$$82 = 82\%$$

6. 0.51 = 51%

$$0.51$$

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

$$\frac{7}{10} \times \frac{10}{10} = \frac{70}{100} = 70\%$$

Rate Yourself!

How well do you understand percents and decimals?



Name _____ My Homework _____

+

Independent Practice

Go online for Step-by-Step Solutions



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

1. $35\% =$ _____

2. $2\% =$ _____

3. $31\% =$ _____

4. $95\% =$ _____



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

5. $0.22 =$ _____

6. $0.79 =$ _____

7. $0.1 =$ _____

8. $0.16 =$ _____

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. (Examples 1–3)

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

(Example 6) _____

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)

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.

Accounts at First Savings Bank

Account	p (\$)	r (%)
A	350	4
B	500	3.5
C	280	4.25