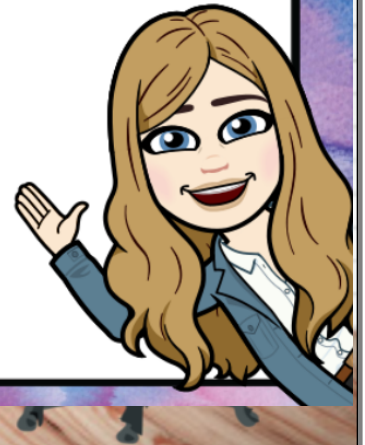**6th Grade**
Jan. 7, 2021

Today we will:

-review video notes
-Do some examples
-Begin pg 105 HW

<u>HOMEWORK:</u>

Page 105 WS

THQ due TOMORROW

ALEKS assignment:
60 min and 5 topics
due Jan 12

Definition	Facts/Characteristics
A ratio that compares a number to 100 **Means PER 100!!**	*out of *hundredths *fraction *decimal *comparing

Percent

Examples	Non-examples
$45\% = \dfrac{45}{100} = 0.45$	$2 off 12 out of 25

Foldable in INB: % to Fractions

Steps:

1. Write the percent as a
_____**fraction**_____

over ____**100**____.

2. Simplify.

Steps:

1. Change the fraction so
it has a **denominator**
of **100**.

2. Drop the "100ths" and
add a ____**percent**____
____**sign**____.

Examples:

① $55\% = \dfrac{55}{100} \div \dfrac{5}{5} = \boxed{\dfrac{11}{20}}$

② $85\% = \dfrac{85}{100} \div \dfrac{5}{5} = \boxed{\dfrac{17}{20}}$

③ $38\% = \dfrac{38}{100} \div \dfrac{2}{2} = \boxed{\dfrac{19}{50}}$

Examples:

① $\dfrac{3}{20} \times \dfrac{5}{5} = \dfrac{15}{100} = \boxed{15\%}$

② $\dfrac{9}{12} \div \dfrac{3}{3} = \dfrac{3}{4} \times \dfrac{25}{25} = \dfrac{75}{100} = \boxed{75\%}$

③ $\dfrac{12}{200} \div \dfrac{2}{2} = \dfrac{6}{100} = \boxed{6\%}$

More examples for binder: 2.2 More examples

$$65\% = \frac{65}{100} \div \frac{5}{5} = \frac{13}{20}$$

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

$$8\% = \frac{8}{100} \div \frac{2}{2} = \frac{4}{50} \div \frac{2}{2} = \frac{2}{25}$$

$$\frac{3}{15} \div \frac{3}{3} = \frac{1}{5} \times \frac{20}{20} = \frac{20}{100} = 20\%$$

Math Chapter 2

TITLE: Decimals, Fractions, and Percents

Date	Lesson	Topic/Assignment
1/4	1	Decimals and Fractions Video Notes
1/5	1	HOMEWORK: Pg 93 WS
1/5	1	CLASSWORK: Skills WS
1/6	1	CLASSWORK: Problem-Solving WS
1/7	2	Fractions and Percents Video Notes
1/7	2	HOMEWORK: Page 105 WS

Independent Practice

Write each percent as a fraction in simplest form. (Examples 1–3)

1 2% = _____

Show your work.

2. 20% = _____

3. 85% = _____

4. 4% = _____

Write each fraction as a percent. Use a model if needed. (Example 4)

5. $\frac{2}{10}$ = _____

6. $\frac{3}{4}$ = _____

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

8. $\frac{11}{25}$ = _____

9. During his workout, Elan spent 28% of the time on the treadmill. What fraction of his workout was on the treadmill? (Examples 1–3)

_____

10. A cat spends about 7 out of 10 hours sleeping. About what percent of a cat's day is spent sleeping? (Example 5)

_____

11 A survey showed that 82% of youth most often use the Internet at home. What fraction of youth surveyed most often use the Internet somewhere else?

_____

12. Cedro collects state quarters. He has 42 out of 50 available quarters. What is 42 out of 50 as a percent?

_____

13 Use the table to determine what percent of students prefer school uniforms and what percent do not prefer school uniforms. What is the relationship between these two percents?

_____

_____

Prefer School Uniforms	
No	**Yes**
卌 卌 卌 l	llll

% ➡ Frac tions   Frac tions ➡ %

Steps:

1. Write the percent as a
_____

over _____.

2. Simplify.

Steps:

1. Change the fraction so

it has a _____

of _____.

2. Drop the "100ths" and

add a _____

_____.

Examples:

Examples: