6th Grade
Feb 2, 2021

Today we will:

-work on Extra Practice WS--begin together, then work on own

HOMEWORK:
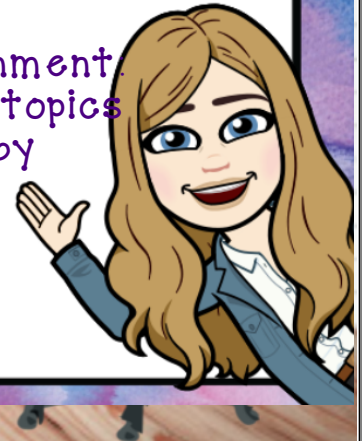
Extra Practice WS

Video notes

THQ due THURSDAY

Project due FRIDAY

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

In-Class Assignment:

Lesson 4 Extra Practice

Percents Greater than 100% and Percents Less than 1%

Write each percent as a decimal and as a mixed number or fraction in simplest form.

(handwritten note) ✱ Drop % sign and move decimal point 2 places LEFT.
✱ Use decimal to make fraction and simplify.

1. 895%

(handwritten) $\boxed{8.95}$

$8\frac{95}{100} \div \frac{5}{5} = \boxed{8\frac{19}{20}}$

2. 555%

3. 480%

4. 920%

(handwritten) $\boxed{9.2}$

$9\frac{2}{10} \div \frac{2}{2} = \boxed{9\frac{1}{5}}$

5. 122%

6. 0.3%

7. 0.42%

(handwritten) $\boxed{0.0042}$

$\frac{42}{10,000} \div \frac{2}{2} = \boxed{\frac{21}{5,000}}$

8. 0.78%

9. 0.99%

Write each mixed number as a percent.

(handwritten note) ✱ Change fraction to decimal
✱ Move decimal point 2 places RIGHT and add % sign

(handwritten) $4\overline{)1.00}$ → .25

10. $8\frac{1}{4}$

$8\frac{1}{4} \times \frac{25}{25} = 8\frac{25}{100}$

$8.25 = \boxed{825\%}$

11. $7\frac{13}{20}$

12. 10

13. 14.00

(handwritten) $\boxed{1,400\%}$

14. $16\frac{1}{5}$

15. $44\frac{3}{10}$

-turn over-

16. $12\frac{1}{2}$

17. $2\frac{3}{4}$

18. $6\frac{1}{2}$

Write each decimal as a percent.

> Move decimal 2 places RIGHT and add percent sign.

19. 3.50

350%

20. 12.00

1200%

21. 6.78

22. 1.95

195%

23. 0.002

24. 0.0077

25. 0.0056

000.56

0.56?

26. 0.0064

27. 0.0102

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
1/8	2	HOMEWORK: Page 105 WS
1/11	3	Percents and Decimals Video Notes
1/12	3	HOMEWORK: Page 113
1/12	3	CLASSWORK: HW Practice WS
1/14	1-3	CLASSWORK: Percent Puzzle
1/28	4	Percents >100% and <1% Video Notes
1/29	4	HOMEWORK: Reteach WS
2/2	4	CLASSWORK: Extra Practice WS

Finding

Least Common Denominator

(LCD)

Comparing

and

Ordering

Fractions

Ordering

Decimals, Fractions, and Percents

February 2, 2021

To find LCD,
find the least common <u>multiple</u> of the denominators.
(Count by each number until you find a number that is the same.)

$\frac{3}{4}$ and $\frac{1}{6}$

$4 \rightarrow 4, 8, 12, 16, 20, \ldots$

$6 \rightarrow 6, 12, 18, 24, \ldots$

$LCD = 12$

To compare fractions,

1. Find LCD of the fractions.
2. Write an equivalent fraction using the LCD.
3. Compare the <u>numerators</u>.

$\frac{2}{3}, ③ \quad \frac{4}{9}, ② \quad \frac{4}{18} ①$

Find LCD: $3 \rightarrow 3, 6, 9, 12, 15, 18, 21 \ldots$
$9 \rightarrow 9, 18, 27, \ldots$
$18 \rightarrow 18$

$\frac{2}{3} \times \frac{6}{6} = \frac{12}{18} \quad \frac{4}{9} \times \frac{2}{2} = \frac{8}{18} \quad \frac{4}{18}$

$\frac{4}{18}, \frac{8}{18}, \frac{12}{18} \rightarrow \frac{4}{18}, \frac{4}{9}, \frac{2}{3}$

Compare by changing all numbers to decimals.

Examples:
1/5 = 0.2 = 20%
2/5 = 0.4 = 40%
1/8 = 0.125 = 12.5%
1/3 = 0.3333…. = 33.3333…%

$\frac{3}{5}, ③ \quad 0.5, ① \quad 90\%, ④ \quad \frac{3}{4} ②$

$\downarrow \qquad \downarrow \qquad \downarrow \qquad \downarrow$

$0.80 \quad 0.50 \quad 0.90 \quad 0.75$

$\frac{4}{5} \times \frac{2}{2} = \frac{8}{10}$

$= 0.8$

$0.5, \frac{3}{4}, \frac{4}{5}, 90\%$

$\begin{array}{r} 0.75 \\ 4 \overline{\smash)3.00} \\ -28 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$