

7th Grade
Oct 19, 2020

Please open your binder to put in your new table of contents.

Today we will:
-complete notes
-do some examples
-begin HW

I will do binder checks throughout the week.

HOMEWORK:

WS

ALEKS-60 minutes
due by 11:59pm
TONIGHT



Fractions to Decimals

10-19-20

1. Find equivalent ratios with denominator of tenths, hundredths, or thousandths

$$\frac{9}{25} \times \frac{4}{4} = \frac{36}{100}$$

$$\frac{9}{25} = 0.36$$

0. 0000

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

$$\frac{4}{5} = 0.8$$

-OR-
(see next slide)

2. Divide numerator by denominator

$$\frac{1}{8}$$

$$\begin{array}{r} 0.125 \\ 8 \overline{) 1.000} \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\frac{1}{8} = 0.125$$

$$-\frac{3}{11}$$

$$\begin{array}{r} -0.27 \\ -11 \overline{) 3.00} \\ \underline{-22} \\ 80 \\ \underline{-77} \\ 3 \end{array}$$

$$-\frac{3}{11} = -0.\overline{27}$$

Use BAR NOTATION if the decimal repeats.

Comparing Fractions and Decimals

$$-\frac{5}{13} \bigcirc -0.36$$

Write the fraction as a decimal and then compare the decimals.

OR find common denominators if two fractions.

$$-\frac{2}{9} \bigcirc -\frac{1}{4}$$

Ordering Fractions and Decimals

Order these numbers.

$$-0.29 \quad -\frac{3}{11} \quad -\frac{2}{7}$$

Change to decimals, then compare.

$$\downarrow$$

$$-0.29$$

$$\downarrow$$

$$-0.\overline{27}$$

$$\downarrow$$

$$-0.28$$

$$0.285\dots$$

$$7 \overline{) 2.00}$$

least \rightarrow greatest

$$-0.29,$$

$$-\frac{2}{7},$$

$$-\frac{3}{11}$$

$$-0.27\overline{2}$$

$$-0.27\overline{3}$$

One more example:

Order these numbers.

②
 $-\frac{5}{8}$

③
 -0.6

①
 $-\frac{6}{9}$

$-0.625, -0.600, -0.666$

0.625
 $8 \overline{) 5.000}$
 $\underline{48} $
 $20 $
 $\underline{16} $
 40

$-\frac{6}{9}, -\frac{5}{8}, -0.6$

0.666666...
 $9 \overline{) 6.00}$
 $\underline{54} $
 60
 $\underline{54}$
 6



HW

Please work on WS from
page 97: #1-15.

HW if not done.





Guided Practice

Write each fraction as a decimal. Use a bar to show a repeating decimal. (Examples 1 and 2)

1. $\frac{3}{5}$

2. $\frac{5}{16}$

3. $-\frac{3}{20}$

4. $\frac{5}{8}$

5. $-\frac{2}{3}$

6. $-\frac{7}{9}$

7. In one season, the New England Patriots converted 16 of 20 fourth downs. What part of the time did the Patriots convert on fourth down? (Example 3)

Replace each \bullet with $<$, $>$, or $=$ to make a true sentence. (Example 4)

8. $0.89 \bullet \frac{11}{13}$

9. $-\frac{2}{3} \bullet -\frac{3}{5}$

10. $-0.21 \bullet \frac{1}{5}$

11. $\frac{5}{9} \bullet \frac{6}{11}$

12. $-\frac{9}{15} \bullet -0.61$

13. $\frac{3}{4} \bullet \frac{7}{9}$

14. Of Nikki's home water usage, $\frac{7}{50}$ comes from lawn watering, and $\frac{3}{20}$ comes from cooking. Does a greater fraction of water usage come from lawn watering or from cooking? (Example 5)

15. On his first reading test, Tre answered $\frac{26}{30}$ questions correctly. On his second reading test, he answered $\frac{34}{40}$ questions correctly. On which test did Tre have the better score? (Example 5)

$$1. \frac{3}{5} \times \frac{2}{2} = \frac{6}{10} = 0.6$$

$$2. 16 \overline{) 5.0000}$$