Created by Mr. Lischwe

WARM UP 8/ $\left(9 \div \frac{1}{2}\right)$

Remember, you should ALWAYS have your homework out on your desk so I can check it while you do the warmup!

1) ESTIMATE what the quotient will be: $2.56 \div 1.2$

2) Find the exact quotient of #1.

TURN IN WEEK 2 WARMUPS

‣ Piles at your table
‣ 1 volunteer to collect

‣ Don't forget your name!
‣ If you were absent on any days, write that on the paper.

Check Homework

‣ Check in a **different color** than the one you used on the assignment.

‣ Mark <u>each problem</u> right or wrong.

‣ It is a good idea to write the correct answers next to the ones you got wrong, so you can study them later.

‣ After I put it in the gradebook, our paper returners will give them back to you. It is a good idea to save these for studying!

How to use the Homework rubric

‣ Look in the "mistakes" column – how many did you miss?

‣ Look in the "Showed work" column – did you show <u>all</u> your work?
  ◦ (Note: some problems on some assignments may not require any work. Use common sense to know which ones would require work and which wouldn't)
‣ Look in the "skipped" column – did you skip any?

‣ Whichever column is the <u>lowest</u> is your grade.

‣ NOTE: The rubric may slightly change for some assignments. For example, usually getting them all right but showing no work is a 60. Because of the nature of this assignment, it would be a 0.
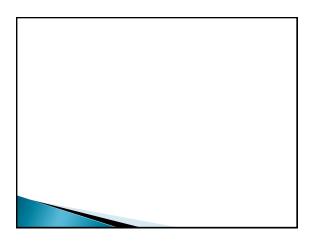

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Converting Fractions and Decimals [2]

<u>Objective:</u>
−Convert fractions to decimals
−Convert regular decimals to fractions
−Convert repeating decimals to fractions

Converting fractions to decimals

‣ **Like yesterday, we're going to focus a lot on ESTIMATION.**

‣ I will show you a fraction. Make your **best estimate** of what that fraction is worth as a decimal.

JUST ESTIMATE...

1. $\frac{41}{80}$
2. $\frac{4}{9}$
3. $5\frac{1}{19}$
4. $\frac{13}{40}$
5. $\frac{12}{7}$
6. $\frac{5}{6}$

My ADVICE:

‣ Before you do a long division problem, **ALWAYS** make a guess at what you think the answer will be

VERY IMPORTANT

‣ When converting fractions to decimals, the **NUMERATOR** goes under the long division sign.

‣ $\frac{5}{12} \rightarrow 12\overline{)5}$

‣ $\frac{5}{12} \rightarrow 5\overline{)12}$

Fraction → Decimal

1. $\frac{1}{9}$
2. $\frac{11}{8}$
3. $4\frac{1}{6}$

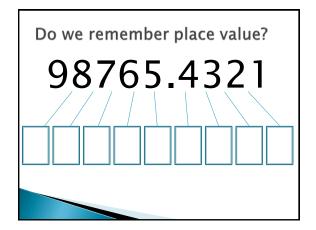8/18/2017

Fraction → Decimal

1. $\frac{1}{9}$ = .111111 … or $.\overline{1}$
2. $\frac{11}{8}$ = 1.375
3. $4\frac{1}{6}$ = 4.1666 … or $4.1\overline{6}$

Even the best of us make mistakes sometimes…

▸ Sometimes you may accidentally put the denominator inside the "house".

▸ This is why it is **SO IMPORTANT** to predict what the answer will be/check to see if it's reasonable.

▸ If you accidentally switch the numbers, your answer WILL be unreasonable. You will catch your mistake every time!!!

Do we remember place value?

98765.4321

Decimal → Fraction

Simplify if possible.

a) 0.45 $= \frac{45}{100} \rightarrow \frac{9}{20}$

b) -2.7 $= -2\frac{7}{10}$

c) 4.3701 $= 4\frac{3701}{10000}$

HOMEWORK

▸ Textbook p.11 (1 – 9, 13 – 15)

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