

Name: _____

Period: _____

Date: _____

Math Unit 2: Fractions and Decimals**Lesson 2.6 A-Dividing Decimals****SWBAT:****Paraphrase:****Essential Question:** How can you divide decimals?

Example 1

$362 \div 5$

Step 1

Decide where to place the first digit in the quotient.

$$5 \overline{)362}$$

Step 2

Divide the tens.

$$5 \overline{)362}$$

Step 3

Continue dividing until you have used all the places in the dividend. Write the remainder as a fraction.

$$5 \overline{)362}$$

Step 4

Check by multiplying the quotient and the divisor, then add the remainder.

| | |
|-------------------|--|
| Your Turn | $863 \div 8$ $8 \overline{)863}$ |
| Example 2 | Divide Decimal by Whole Number $196 \div 32$ |
| Step 1 | Divide. Instead of a remainder, put a decimal point in the dividend and add a zero. Bring the decimal point straight up to the quotient. $32 \overline{)196}$ |
| Step 2 | Annex zeros and repeat Step 1 until there is no remainder. $32 \overline{)196.000}$ |
| Your Turn | $9 \overline{)20.7}$ |
| Notes / Questions | |

Let's Practice

| | | | |
|---------------------|--------------|-----------------------|----------------|
| $6 \overline{)249}$ | $365 \div 4$ | $7 \overline{)22.61}$ | $1.56 \div 30$ |
|---------------------|--------------|-----------------------|----------------|

5) Destiny said that $0.6 \div 2 = 0.3$. Is Destiny correct? Explain why or why not.