

<u>Cornell Notes</u>	Name: _____
Topic: Dividing Decimals Lesson 2.6	Date: _____
	Period: _____

Essential Question: **How can you divide decimals?**

Questions/Main Ideas:	<u>Notes:</u>
------------------------------	---------------

Divide Decimals Steps

1. Write the problem
2. Move decimal in the divisor to the right
3. Move the decimal in the dividend the same amount of times as the divisor
4. Follow the rules of division

Ex. 1 Find $7.6 \div 4$. Estimate $8 \div 4 = 2$

$$\begin{array}{r} 1.9 \\ 4 \overline{)7.6} \\ \underline{-4} \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

Place the decimal point in the quotient above the decimal point in the dividend.

Ex. 2 Find $18.2 \div 1.4$.

$$\begin{array}{r} 1.4 \overline{)18.2} \\ \underline{-14} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

\longrightarrow

$$\begin{array}{r} 13. \\ 14 \overline{)182.} \\ \underline{-14} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

Place the decimal point above the decimal point in the dividend 182.

Multiply each number by 10.

Ex. 3 Divide $2.45 \div 0.007$.

$$\begin{array}{r} 0.007 \overline{)2.450} \\ \underline{-14} \\ 350 \\ \underline{-210} \\ 00 \end{array}$$

\longrightarrow

$$\begin{array}{r} 350 \\ 7 \overline{)2450} \\ \underline{-21} \\ 350 \\ \underline{-350} \\ 00 \end{array}$$

Because $0 \div 7 = 0$, insert a zero in the quotient.

Multiply each number by 1000. Insert a zero in the dividend.

Teacher Example:	
We Do Example:	
Student Example:	
Summary: Students should write a summary reflecting the above essential question.	