Date

AGENDA

- Warm up
- Review Homework
- Cornell Notes
  Multiplying/ Dividing
  Rational Numbers
- Exit Ticket

Give a man a fish and you feed him for a day.
Teach a man to fish and you feed him for a lifetime.

-Chinese Proverb

REMEMBER!! BE RESPECTFUL

WARM UP

1) Jose' bought 2 pounds of turkey. One pound of turkey costs $5.99. Before tax, how much did Jose' pay?

2) 8 x 7 =

3) 9 x 4 =

4) 12 ● 9 =

5) 45/5 =

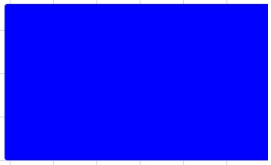
DECIMALS:
Multiplication/Division

LESSON ESSENTIAL QUESTION:
How do we multiply and divide decimals effectively?

What are two ways of multiplying numbers?

Multi-digit Multiplication:

1. **Traditional Method (Old School)**
2. **Place value products (New School)**



Traditional Method

1. Multiply the numbers w/o the decimal.
2. Add the number of decimal places in both numbers.
3. Move decimal places to the left in your answer.

Example

16.5 1 decimal place
x .25 +2 decimal places
825 3 decimal places
+3300
4125

4125

So, 16.5 x .25 = 4.125

DECIMALS:
Multiplication/Division

LESSON ESSENTIAL QUESTION:
How do we multiply and divide decimals effectively?

What are two ways of multiplying numbers?

Multi-digit Multiplication:

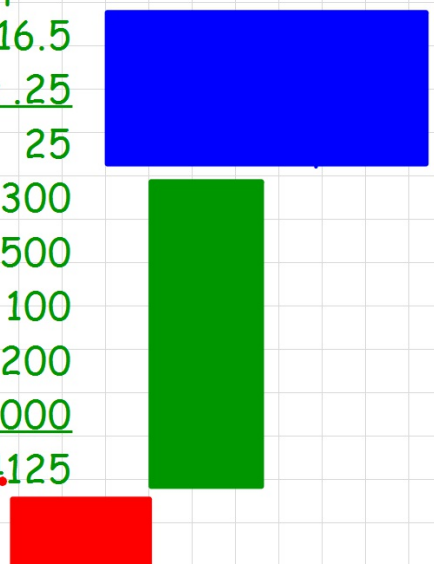
1. **Traditional Method (Old School)**
2. **Place value products (New School)**

Place Value Products

1. Multiply each place value and place them in a column.
2. Add all of the products for the answer.
3. Move decimal places to the left in your answer.

Example

16.5
x .25
25
300
500
100
1200
+2000
4125



Using both methods, solve the following problems on the whiteboard. Then find someone that has your favorite artist to check your work.

Ex 1) $12.4 \times 3.5 =$ [redacted]

Ex 2) $2.75 \times .85 =$ [redacted]

Ex 3) $4.55 \times 7.9 =$ [redacted]

DECIMALS:
Multiplication/Division

LESSON ESSENTIAL QUESTION:
How do we multiply and divide decimals effectively?

3 Parts of a Division problem

DIVIDEND ÷ DIVISOR = QUOTIENT

- **DIVIDEND**: the number being divided (worked on)
- **DIVISOR**: the number doing the work (the worker)
- **QUOTIENT**: the answer to a division problem

$$\text{divisor}\overline{)\text{dividend}}\quad \text{quotient}$$

Example

$196 \div 4 =$ $4\overline{)196}$

DECIMALS:
Multiplication/Division

LESSON ESSENTIAL QUESTION:
How do we multiply and divide decimals effectively?

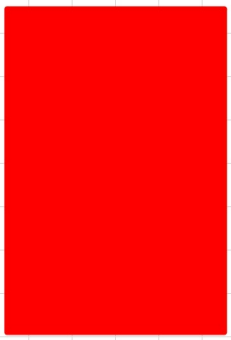
How do we divide w/ decimals?

Steps

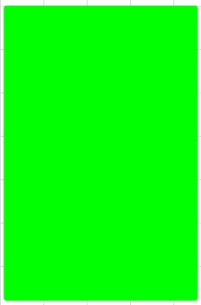
1. Make the divisor a whole number
2. Move decimal point over in the dividend
3. Divide until quotient repeats or comes out evenly.

Example

$.04\overline{)196}$



$$
\begin{array}{r}
4900. \\
.04\overline{)19600.} \\
-16 \\
\hline
36 \\
-36 \\
\hline
0
\end{array}
$$



Using both methods, solve the following problems on the whiteboard. Agree with a partner. Then raise your hand.

Ex 1) $12.4 \times .4 =$ [redacted]

Ex 2) $2.75 \times .5 =$ [redacted]

Ex 3) $4.55 \times 15 =$ [redacted]

Date

AGENDA

- Warm up
- Check Hw
- TEST
- Khan Academy
- HW: finish all minutes by Sunday evening!
- Continue to work on Project!

"There are a million ways to lose a work day, but not even a single way to get one back."

-Tom DeMarco and Timothy Lister

American Software Engineers

WARM UP

Page

1) $14.3 + 29.76 =$

2) $98.03 - 59.77 =$

3) $85.09 \times 1.75 =$

4) $5.345 + 29.96 =$

5) $.12\overline{)20.4}$

6) $63.13 - 35.947 =$

7) $15.15 \times 0.52 =$

8) $19.60 \div 1.4 =$