

OCTOBER 30, 2014^{6th}

Starter:
1 pt work, 1 pt an answer, 1 pt right

1. 27×4

$$\begin{array}{r} 27 \\ \times 4 \\ \hline 108 \end{array}$$

7, 8, 9 \rightarrow 2

5, 6 \rightarrow 1

2. 367×15

$$\begin{array}{r} 367 \\ \times 15 \\ \hline 1835 \\ 3670 \\ \hline 5505 \end{array}$$

3. 803×62

$$\begin{array}{r} 803 \\ \times 62 \\ \hline 1606 \\ 48180 \\ \hline 49786 \end{array}$$

10/30 Multiplying/Dividing Rational Numbers

MULTIPLYING DECIMALS:

$$(-4.3)(7.08)$$

What do you do with the decimal when you set up the problem?

Nothing!

line #'s up at the right

What do you do with the decimal in the answer?

Count up the decimals

$$\begin{array}{r} 7.08 \\ -4.3 \\ \hline 12124 \\ +28320 \\ \hline -30444 \end{array}$$

Discuss these 3 questions with your partners...

Why should you never use a "dot" for multiplying with decimals?

$$-8.4 \cdot 2.7$$

It looks like a decimal



Use () instead.

Where is the decimal in a whole number?

$$(-2.68)(-9)$$

After the #

9.0 is nine

.9 is $\frac{9}{10}$

What if you run out of numbers in the answer?

$$(0.012)(-0.75)$$

$$\begin{array}{r} -0.75 \\ \times 0.012 \\ \hline 150 \\ 750 \\ \hline .00900 \end{array}$$

Put 0's in the FRONT!

Compute these products:

$$(-3.5)(12)$$

$$\begin{array}{r} -3.5 \\ \times 12 \\ \hline 70 \\ 35 \\ \hline -42.0 \end{array}$$

$$(2.005)36$$

$$\begin{array}{r} 2.005 \\ \times 36 \\ \hline 12030 \\ + 60150 \\ \hline 72.180 \end{array}$$

$$(-0.7)(-0.012)$$

$$= .0084$$

$$2.4(-13.1)$$

$$\begin{array}{r} -13.1 \\ \times 2.4 \\ \hline 524 \\ 2620 \\ \hline -31.44 \end{array}$$



Green WS 8

DOE Monday