



30, 2014

Starter:

3 pts - lot work, lot answer, lot right

1. 27×4

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

7, 8, 9 → 2

5, 6 → 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

$$\begin{array}{r} 7.08 \\ \times 4.3 \\ \hline 2124 \\ + 28320 \\ \hline 30444 \end{array}$$

What do you do with the decimal in the answer?

Count them up!

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?

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

Behind it!

$$9.0 = \text{nine}$$

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

What if you run out of numbers in the answer?

$$(0.012)(-0.75)$$

$$\begin{array}{r} -0.75 \\ \times 0.012 \\ \hline 150 \\ 75 \\ \hline .00900 \end{array}$$

Put extra 0's in the front.

Compute these products:

$$(-3.5)(12)$$

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

$$(2.005)36$$

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

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

$$= .0084$$

$$2.4(-13.1)$$

$$\begin{array}{r} -13.1 \\ \times 2.4 \\ \hline 1524 \\ 2620 \\ \hline -31.44 \end{array}$$



Green WS 8

DOE Monday