

9/2/10 Multiplication Signs

ex 1: $3 \cdot 2 = 6$

ex 2: $3 \times 2 = 6$

ex 3: $3(2) = 6$ or $(3)2 = 6$

* Special Note: No multiplication sign needed with numbers and variables.

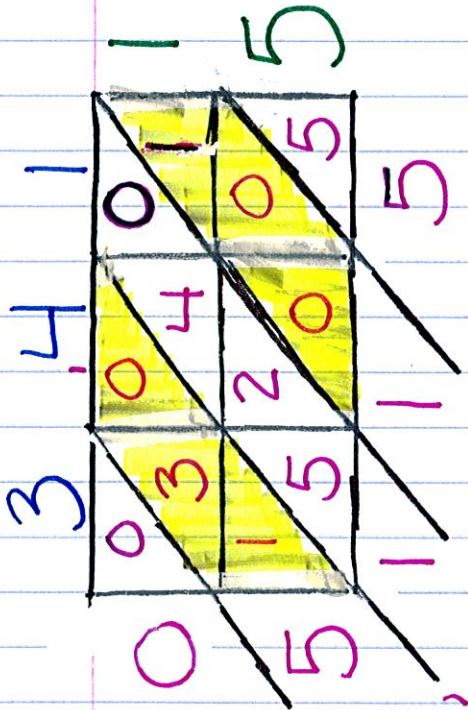
ex: $12g$

ex: $8a$

Multiplication

$$341 \times 15$$

OPTION 1
(Lattice)

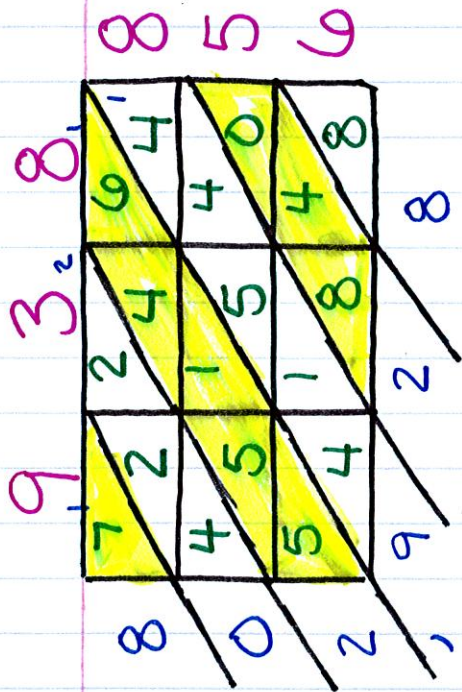


OPTION 2
(old fashioned way)

$$\begin{array}{r} ^2 341 \\ \times 15 \\ \hline 1705 \\ + 3410 \\ \hline 5115 \end{array}$$

$$938 \times 856$$

Lattice



802,928

Old fashion

$$\begin{array}{r}
 \begin{array}{r}
 \times^3 \\
 2 \\
 938 \\
 \hline
 1876 \\
 2754 \\
 7504 \\
 \hline
 802928
 \end{array} \\
 \begin{array}{r}
 \times^6 \\
 4 \\
 856 \\
 \hline
 3424 \\
 34240 \\
 342400 \\
 \hline
 648000
 \end{array} \\
 \begin{array}{r}
 + \\
 1876 \\
 34240 \\
 342400 \\
 \hline
 802928
 \end{array}
 \end{array}$$

648 x 25
Whiteboard

Name _____ Date _____ Pd _____

Multiplication Review

No calculators allowed.
You must show your work 😊

A) For each of the following problems, pick 1 of the 3 ways to multiply:

- 1) old fashioned way
- 2) lattice multiplication
- 3) partial products

1) 58×24

2) $819 \cdot 60$

3) $650 \cdot 47$

4) 613×407

B) Explain why you prefer the method you chose: