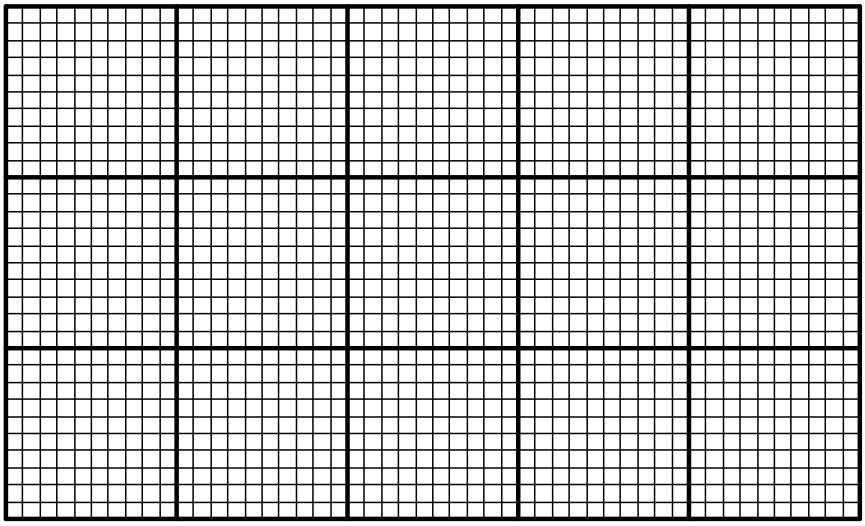
~~1. Show how to find the product of 26×34 by breaking it apart into smaller problems that can be solved by using knowledge of multiplication facts and multiplying by ten.~~

2. For the product:

$$\begin{array}{r} 2\ 7 \\ \times\ 4\ 3 \\ \hline \end{array}$$

a. Make a proportional array diagram for the product using this grid



b. Write out the solution using the expanded algorithm. Indicate (by color coding or labeling) how the partial products in the expanded algorithm correspond to the parts of the diagram in a.

3. For the product:

$$\begin{array}{r} 5\ 6\ 4 \\ \times\ 3\ 8 \\ \hline \end{array}$$

~~a. Sketch a by-hand (non-proportional) array diagram for the product.~~

b. Write out the solution using the expanded algorithm. Indicate how the partial products in the expanded algorithm correspond to the parts of the diagram in a.

4. Write out the solution to the following product using both the expanded and the standard algorithms (side by side) draw appropriate arrows/etc, indicating which partial products in the expanded algorithm correspond with which lines in the standard algorithm.

$$\begin{array}{r} 6\ 3\ 8 \\ \times\ 4\ 7\ 3 \\ \hline \end{array}$$

5. Write out the solution to the products in #3 and #4 using the lattice algorithm.