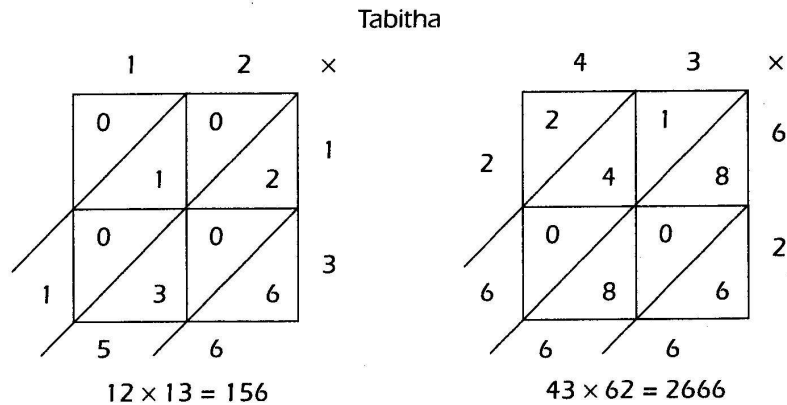


# The Lattice Method for Multiplication

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Examine Tabitha's procedure for  $12 \times 13$  and  $43 \times 62$ . What is she doing to obtain a correct answer? Why does her algorithm work?



Use Tabitha's process, also known as the "lattice method for multiplication," to calculate:

$12 \times 37$

$110 \times 203$

$11.4 \times 13.6$

Create and do a "harder" multiplication problem using the lattice method.

What are the similarities and differences between the lattice method and the standard algorithm for multiplication?