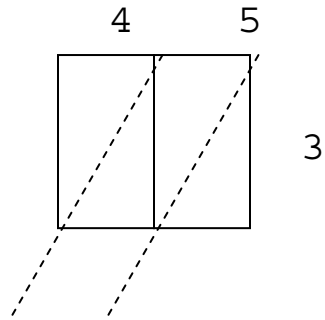
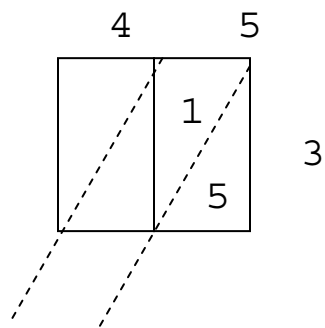


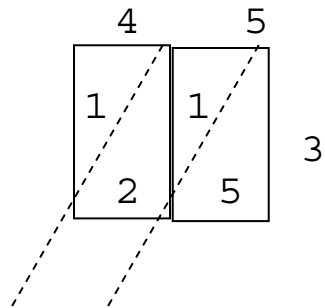
Use the lattice method to multiply $3 * 45$.



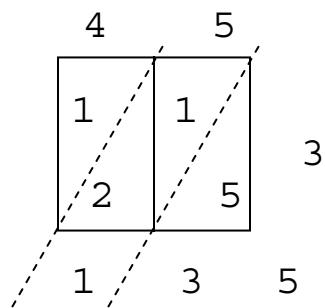
The box with squares and diagonals is called a lattice. Write 4 and 5 above the boxes of the lattice. Write 3 on the right side.



Multiply $3 * 5$. Write the answer as shown.



Multiply $3 * 4$. Write the answer as shown.



Add the numbers along each diagonal. Read the answer starting on the left side of the lattice and continuing across the bottom. $3 * 45 = 135$.