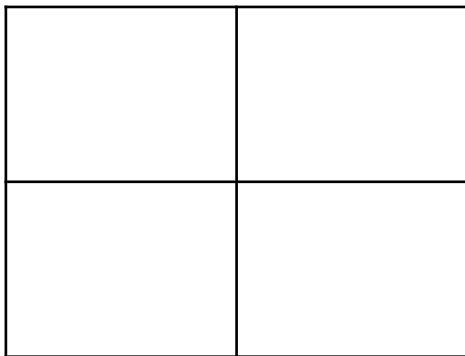# Fourth Grade
Area Model for Multiplication

To help your child at home with multiplication, try this strategy, called the area model, and follow the following steps:

35 x 46

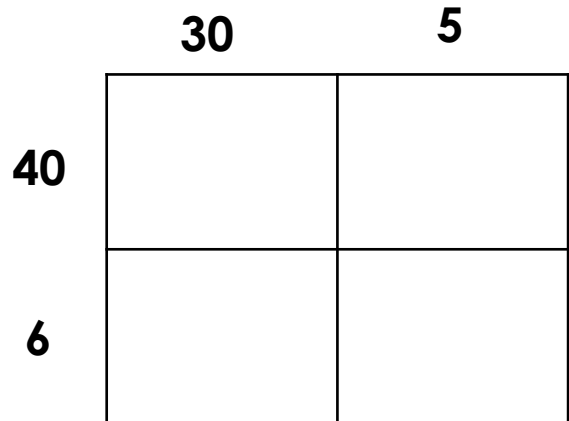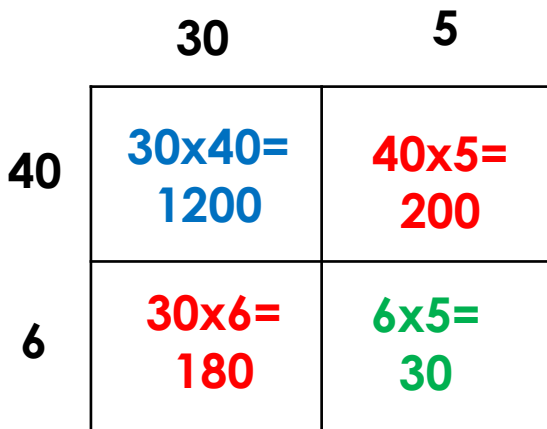### Step 1:

Draw a 2 x 2 array.

Step 2:

Break apart the numbers by place value.

	30	5
40		
6		

Step 3:

Multiply each number:
1. Tens place times tens place.
2. Tens place times ones place.
3. Ones place times ones place.

	30	5
40	30x40= 1200	40x5= 200
6	30x6= 180	6x5= 30

Step 4:

Add the sums from each box.

$$
\begin{array}{r}
1200 \\
200 \\
180 \\
+\quad 30 \\
\hline
1610
\end{array}
$$