Area Multiplication

Area Model for Multiplication
Multiplication between larger numbers can be broken down into easier steps using the area model. Go through the example below.

EXAMPLE: **Solve 26 × 42**

STEP ONE: Partition the numbers into tens and ones on each side of a table.

STEP TWO: Multiply them

STEP THREE: Find the sum

	20	6
40	$40 \times 20 = 800$	$40 \times 6 = 240$
2	$2 \times 20 = 40$	$2 \times 6 = 12$

ADD: 800 + 240 + 40 + 12 **= 1,092**

Instructions: Solve the multiplication questions below.

1	Solve for 35 × 24.
2	Solve for 42 × 21.

3 Solve for 82 × 75.

4 Solve for 78 × 36.

5 Solve for 65 × 47.

6 Solve for 92 × 51.

7 Solve for 87 × 94.

8	Solve for 56 × 49.	

9	Solve for 64 × 29.	

10	Solve for 79 × 59.	

11	Solve for 92 × 74.	

12	Solve for 83 × 85.	

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ADD: 800 + 240 + 40 + 12 **= 1,092**

Instructions: Solve the multiplication questions below.

1	Solve for 35 × 27.	
2	Solve for 41 × 19.	

3	Solve for 54 × 38.
4	Solve for 43 × 29.
5	Solve for 75 × 31.
6	Solve for 68 × 35.
7	Solve for 82 × 33.

8	Solve for 56 × 49.
9	Solve for 67 × 38.
10	Solve for 71 × 49.
11	Solve for 94 × 56.
12	Solve for 97 × 89.