



# Area Model Multiplication #1

Answer Key



$$35 \times 12 = \underline{420}$$

### Step 1

Write each number in expanded form.

	30	5
10		
2		

### Step 2

Multiply to find each of the partial products.

	30	5
10	300	50
2	60	10

### Step 3

Add the partial products.

	30	5	
10	300	50	300
2	60	10	50
			60
			+ 10
			<u>420</u>

a.  $35 \times 21 = \underline{735}$

	30	5
20	600	100
1	30	5

c.  $15 \times 18 = \underline{270}$

	10	5
10	100	50
8	80	40

b.  $62 \times 15 = \underline{930}$

	60	2
10	600	20
5	300	10

d.  $54 \times 23 = \underline{1,242}$

	50	4
20	1,000	80
3	150	12



# Answer Key

## Area Model Multiplication #1



e.  $33 \times 22 = \underline{726}$

	30	3	
20	600	60	
2	60	6	

f.  $24 \times 45 = \underline{1,080}$

	20	4	
40	800	160	
5	100	20	

g.  $42 \times 14 = \underline{588}$

	40	2	
10	400	20	
4	160	8	

h.  $35 \times 25 = \underline{875}$

	30	5	
20	600	100	
5	150	25	

i.  $17 \times 12 = \underline{204}$

	10	7	
10	100	70	
2	20	14	

j.  $86 \times 52 = \underline{4,472}$

	80	6	
50	4,000	300	
2	160	12	