

Partial Products & Area Models

$$35 \times 12 = \underline{\hspace{2cm}}$$

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
2	60	10

$$\begin{array}{r} 1 \\ 300 \\ 50 \\ 60 \\ + 10 \\ \hline 420 \end{array}$$

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

Directions: Use the area model method to solve each problem. Record the products on the answer lines.

1) $18 \times 82 = \underline{1,476}$

	10	8
80	800	640
2	20	16

2) $88 \times 17 = \underline{1,496}$

	80	8
10	800	80
7	560	56

3) $34 \times 32 = \underline{1,088}$

	30	4
30	900	120
2	60	8

4) $64 \times 28 = \underline{1,792}$

	60	4
20	1200	80
8	480	32