

# Area Model Multiplication

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

## 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)  $35 \times 21 = \underline{\hspace{2cm}}$


2)  $62 \times 15 = \underline{\hspace{2cm}}$


3)  $15 \times 18 = \underline{\hspace{2cm}}$


4)  $54 \times 23 = \underline{\hspace{2cm}}$


Name \_\_\_\_\_

Date \_\_\_\_\_

5)  $33 \times 22 =$  \_\_\_\_\_


6)  $24 \times 45 =$  \_\_\_\_\_


7)  $42 \times 14 =$  \_\_\_\_\_


8)  $35 \times 25 =$  \_\_\_\_\_


9)  $17 \times 12 =$  \_\_\_\_\_


10)  $86 \times 52 =$  \_\_\_\_\_
