

> WORKED EXAMPLE

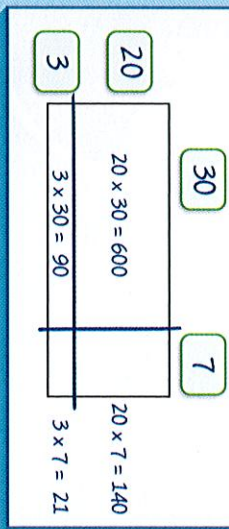
> TRY IT

> PRACTICE

**STEP 1** Split both factors.

$$\begin{array}{r} 23 \\ \wedge \\ 20 + 3 \end{array} \times \begin{array}{r} 37 \\ \wedge \\ 30 + 7 \end{array}$$

**STEP 2** Split and label the rectangle.



**STEP 3** Find the partial products.

Equation 1 →  $20 \times 30 = 600$   
 Equation 2 →  $20 \times 7 = 140$   
 Equation 3 →  $3 \times 30 = 90$   
 Equation 4 →  $3 \times 7 = 21$

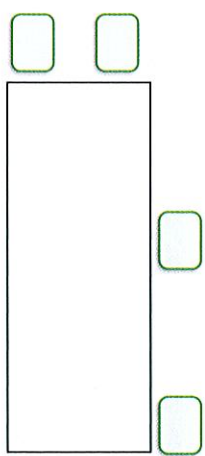
**STEP 4** Add the partial products.

$$23 \times 37 = \begin{array}{r} 600 \\ 140 \\ 90 \\ + 21 \\ \hline 700 \\ 150 \\ + 1 \\ \hline 851 \end{array}$$

**STEP 1** Split both factors.

$$\begin{array}{r} 48 \\ \wedge \\ \quad + \end{array} \times \begin{array}{r} 72 \\ \wedge \\ \quad + \end{array}$$

**STEP 2** Split and label the rectangle.



**STEP 3** Find the partial products.

Equation 1 → \_\_\_\_\_  
 Equation 2 → \_\_\_\_\_  
 Equation 3 → \_\_\_\_\_  
 Equation 4 → \_\_\_\_\_

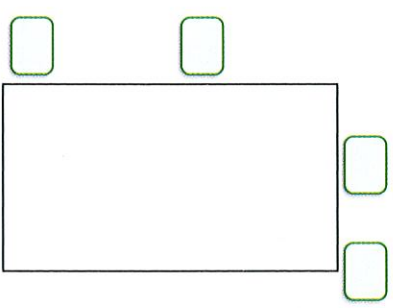
**STEP 4** Add the partial products.

$48 \times 72 = \underline{\hspace{2cm}}$

**STEP 1** Split both factors.

$$\begin{array}{r} 57 \\ \wedge \\ \quad + \end{array} \times \begin{array}{r} 32 \\ \wedge \\ \quad + \end{array}$$

**STEP 2** Split and label the rectangle.



**STEP 3** Find the partial products.

Equation 1 → \_\_\_\_\_  
 Equation 2 → \_\_\_\_\_  
 Equation 3 → \_\_\_\_\_  
 Equation 4 → \_\_\_\_\_

**STEP 4** Add the partial products.

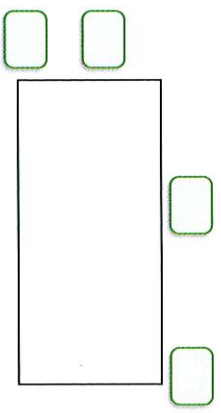
$57 \times 32 = \underline{\hspace{2cm}}$



> PRACTICE

3

$$\begin{array}{r} 29 \\ \wedge \\ + \end{array} \times \begin{array}{r} 65 \\ \wedge \\ + \end{array}$$

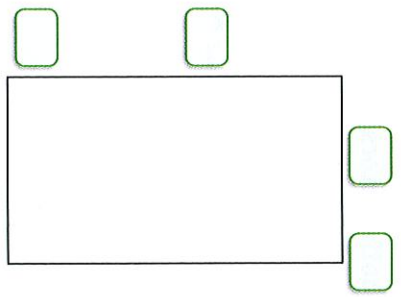


- Equation 1 → \_\_\_\_\_
- Equation 2 → \_\_\_\_\_
- Equation 3 → \_\_\_\_\_
- Equation 4 → \_\_\_\_\_

$29 \times 65 = \underline{\hspace{2cm}}$

4

$$\begin{array}{r} 82 \\ \wedge \\ + \end{array} \times \begin{array}{r} 43 \\ \wedge \\ + \end{array}$$



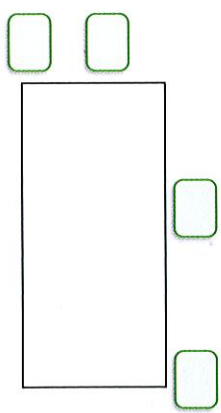
- Equation 1 → \_\_\_\_\_
- Equation 2 → \_\_\_\_\_
- Equation 3 → \_\_\_\_\_
- Equation 4 → \_\_\_\_\_

$82 \times 43 = \underline{\hspace{2cm}}$

> Find the product.

TOPIC 3

$$\begin{array}{r} 32 \\ \wedge \\ + \end{array} \times \begin{array}{r} 76 \\ \wedge \\ + \end{array}$$



- Equation 1 → \_\_\_\_\_
- Equation 2 → \_\_\_\_\_
- Equation 3 → \_\_\_\_\_
- Equation 4 → \_\_\_\_\_

$32 \times 76 = \underline{\hspace{2cm}}$

TOPIC 2

TOPIC 1

> How does splitting the rectangle help you multiply with greater factors?

Splitting the rectangle helps me multiply with greater factors by

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

SCORE ① ① ②

