

## Break it Up: Distributive Property 2

The **distributive property** is a tool to make multiplication with larger numbers easier.

To use the distributive property:  
Break one factor into two addends,  
multiply both addends by the other  
factor, and add together both products.

Break up  
the bigger  
number  
into two  
addends

$$\begin{aligned}
 &16 \times 5 \\
 &\swarrow \\
 &(10 + 6) \times 5 \\
 &(10 \times 5) + (6 \times 5) \\
 &50 + 30 = 80
 \end{aligned}$$

$$16 \times 5 = 80$$



**Directions:** Solve each problem below using the distributive property.  
Show your work. Then answer the question that follows.

1.  $5 \times 13$

2.  $3 \times 16$

3.  $18 \times 4$

4.  $19 \times 6$

5.  $12 \times 7$

6.  $8 \times 14$

How does the distributive property help you solve multiplication problems?