Name: _____   Date: _____

Break it Up: Distributive Property 1

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

16 x 5
(**10** + **6**) x 5
(**10** x 5) + (**6** x 5)
50 + **30** = **80**

16 x 5 = 80

Directions: *Fill in the blanks to solve each problem below using the distributive property.*

1.   **8 x 9**

8 x (3 + 6)

(8 x _____) + (8 x _____)

_____ + _____

8 x 9 = _____

2.   **12 x 3**

(_____ + 2) x 3

(_____ x 3) + (2 x 3)

_____ + _____

12 x 3 = _____

3.   **4 x 13**

4 x (_____ + _____)

(4 x _____) + (4 x _____)

_____ + _____

4 x 13 = _____

4.   **14 x 6**

(_____ + _____) x 6

(_____ x 6) + (_____ x 6)

_____ + _____

14 x 6 = _____

5.   **3 x 16**

_____ x (_____ + _____)

(_____ x _____) + (_____ x _____)

_____ + _____

3 x 16 = _____

6.   **17 x 5**

(_____ + _____) x _____

(_____ x _____) + (_____ x _____)

_____ + _____

17 x 5 = _____