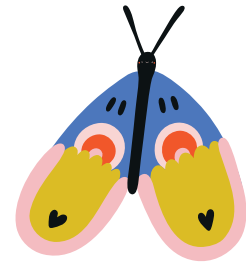Name _____   Name _____

Distributive Property

The **Distributive Property of Multiplication** lets you multiply a sum by multiplying each addend separately.

Example: 5×13

$= 5 \times (9 + 4)$
$= (5 \times 9) + (5 \times 4)$
$= 45 + 20$
$= 65$

Try It! Draw arrows from 7 to each addend. Then fill in the boxes to complete the problem.

7×7
$= 7 \times (2 + 5)$

$= (7 \times \boxed{2}) + (7 \times \boxed{5})$

$= 14 + \boxed{35}$
$= 49$

Part 1. Use the distributive property to solve each problem below.

a. 2×11 $2 \times (4 + 7) = 22$

b. 4×13 $4 \times (5 + 8) = 52$

c. 3×19 $3 \times (10 + 9) = 57$

d. 6×23 $6 \times (3 + 20) = 138$

Part 2. Decompose one factor and use the distributive property to find the product in the problems below.

e. 5×17 85

f. 9×18 162