

DISTRIBUTE IT AGAIN! AN AREA MODEL EXPLORATION

- ✓ Write a multiplication expression in the box below.
- ✓ Show four different ways to break up the numbers and evaluate the multiplication expression.
- ✓ Draw the area model and use numbers to illustrate each of the four ways.

6×13

$6(10+3)$
 $(6 \times 10) + (6 \times 3)$
 $60 + 18$
 78

$6 \times (6+7)$
 $(6 \times 6) + (6 \times 7)$
 $36 + 42$
 78

$13(2+2+2)$
 $(2 \times 13) + (2 \times 13) + (2 \times 13)$
 $26 + 26 + 26$
 78

$6 \times 5 = 30$
 $6 \times 3 = 18$
 $6 \times 5 = 30$

30
+ 18
30

78