

## Module 4 Topic D Lesson 11 Student Copy

### Classwork

Create a model for each expression below. Then, write another equivalent expression using the distributive property.

1.  $3(x + y)$

2.  $4(2h + g)$

Apply the distributive property to write equivalent expressions in expanded form.

3.  $8(h + 3)$

4.  $3(2h + 7)$

5.  $5(3x + 9y)$

6.  $4(11h + 3g)$

7.  $7k$        $12m$

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$j$

8.  $a(9b + 13)$

## Homework

### Problem Set

1. Use the distributive property to write the following expressions in expanded form.
  - a.  $4(x + y)$
  - b.  $8(a + 3b)$
  - c.  $3(2x + 11y)$
  - d.  $9(7a + 6b)$
  - e.  $c(3a + b)$
  - f.  $y(2x + 11z)$
  
2. Create a model to show that  $2(2x + 3y) = 4x + 6y$ .