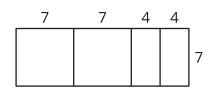
## **Lesson 3: Lots of Rectangles**

• Let's express the areas of some rectangles.

## 3.1: Math Talk: Many Ways to Area

A rectangle is partitioned into smaller rectangles. Explain why each of these expressions represents the area of the entire rectangle.

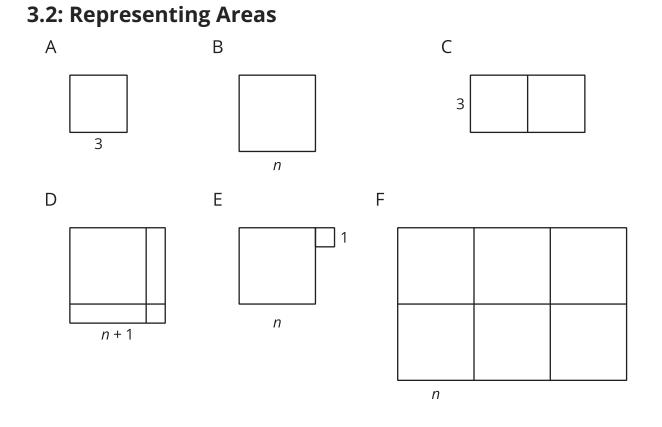


7(7 + 7 + 4 + 4)

 $7(2 \cdot 7 + 2 \cdot 4)$ 

 $7^2 + 7^2 + 4 \cdot 7 + 4 \cdot 7$ 

 $2(7^2) + 2(4 \cdot 7)$ 



Match each figure with one or more expressions for its area. Every shape that looks like a square is a square.

•  $2 \cdot 3^2$ • (n+1)(n+1)•  $n^2$ •  $6n^2$ • (2n)(3n)• (n+n)(n+n+n)•  $3^2 + 3^2$ • 3(3+3)



## **3.3: Areas of Rectangles**

Complete the table with the length, width, and area of each rectangle.

