Perimeter



1. What is the perimeter of this square?





Find the perimeter of the rectangle or square.



Lesson I3.2 Reteach

Area



Find the area of the rectangle or square.



Area of Combined Rectangles



Find the area of the combined rectangles.



Find Unknown Measures



Problem Solving • Find the Area

Use the strategy solve a simpler problem.

Marilyn is going to paint a wall in her bedroom. The wall is 15 feet long and 8 feet tall. The window takes up an area 6 feet long and 4 feet high. How many square feet of the wall will Marilyn have to paint?

Read the Problem	Solve the Problem
What do I need to find?	First, find the area of the wall.
I need to find how many <u>square feet of the</u> <u>wall</u> Marilyn will paint.	$A = b \times h$ = 15 × 8 = <u>120</u> square feet
What information do I need to use?	Next, find the area of the window.
The paint will cover the wall. The paint will not cover the <u>window</u> . The base of the wall is 15 feet and the height is <u>8 feet</u> . The base of the window is 6 feet and the	$A = b \times h$ = <u>6</u> × <u>4</u> = <u>24</u> square feet Last, subtract the area of the window from
height is <u>4 feet</u> .	the area of the wall.
How will I use the information? I can solve simpler problems. Find the area of the <u>wall</u> . Then, find the area of the window. Last, <u>subtract</u> the area of the <u>window</u> from the area of the wall.	120 <u>- 24</u> <u>96</u> square feet So, Marilyn will paint <u>96 square feet</u> of her bedroom wall.

- Ned wants to wallpaper the wall of his bedroom that has the door. The wall is 14 feet wide and 9 feet high. The door is 3 feet wide and 7 feet high. How many square feet of wallpaper will Ned need for the wall?
- 2. Nicole has a rectangular canvas that is 12 inches long and 10 inches wide. She paints a blue square in the center of the canvas. The square is 3 inches on each side. How much of the canvas is NOT painted blue?