## MY Homework

## Lesson 8

Area of Composite Figures

## Homework Helper

Find the area of the composite figure.

1
Break the composite figure into smaller parts. Look for rectangles.


## Rectangle 2



2 Find the area of each part.
Rectangle 1
$A=\ell \times w$
$=12 \times 2$
Rectangle 2
$=(10 \times 2)+(2 \times 2)$ Decompose 12 as $10+2$.
$A=\ell \times w$
$=10 \times 2$
$=20+4$
$=24$
$=20$

The area of Rectangle 1 is 24 square feet.
The area of Rectangle 2 is 20 square feet.

Add the areas.
$24+20=44$
The area of the composite figure is 44 square feet.

## Practice

## Find the area of each composite figure. Show your work.

1. 


2.


The area is 48 square centimeters. The area is 54 square meters.

## Vocabulary Check (둥

3. Draw an example of a composite figure. See students' work.

## Problem Solving

## The composite figure shows the floor plan of a bathroom.

4. What is the area of the bathroom floor?

## 72 square feet

Mathematical
5. PRACTICE $\sqrt[1]{\sqrt{2}}$ Plan Your Solution The floor will be covered in square tiles. If one square tile covers one
 square foot, how many tiles are needed?

72 tiles

## Test Practice

6. What is the area of the composite figure shown?
(A) 8 square units
(c) 16 square units
(B) 12 square units
(D) 20 square units

