

MY Homework

Lesson 4

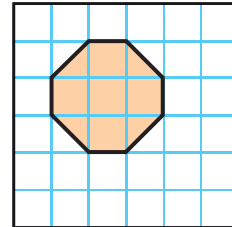
Measure Area

Homework Helper



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Find the area of the figure at the right if each square unit represents one square centimeter.



1 Count the number of whole squares.
There are 5 whole squares.

2 Count the number of half-squares.
There are 4 half-squares. Four halves equal two wholes.

3 Add.

$$5 \text{ whole squares} + 4 \text{ half-squares}$$

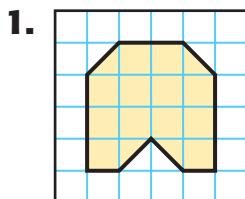
$$5 \text{ whole squares} + 2 \text{ whole squares}$$

$$7 \text{ whole squares}$$

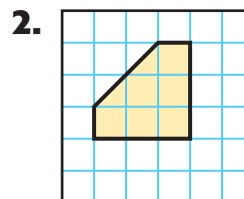
So, the area is 7 square units. If each square unit represents one square centimeter, then the area is 7 square centimeters.

Practice

Find the area of each figure.

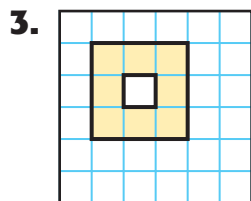


The area is 14 square units.

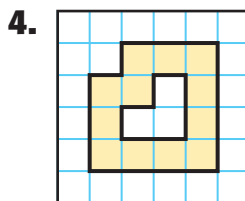


The area is 7 square units.

Find the area of each shaded region if one square unit represents one square meter.



The area is 8 square meters.

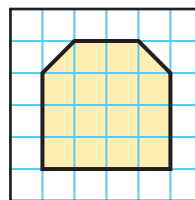


The area is 12 square meters.




Problem Solving

For Exercises 5 and 6, refer to the drawing at the right which represents the area of Elaine's bedroom.



5. What is the area of Elaine's bedroom in square units?

15 square units

6. **Mathematical PRACTICE**  **Look for a Pattern** If each square unit represents 5 square feet, what is the area of Elaine's bedroom in square feet? Use repeated addition.

$15 + 15 + 15 + 15 + 15 = 75$ square feet

Vocabulary Check



7. Describe area in your own words.

Sample answer: Area is the number of square units

needed to cover a figure without overlapping.

Test Practice

8. What is the area of the figure at the right?

- A 12 square units C 14 square units
 B 13 square units D 16 square units

