

Student Activity Book

Use Strategies to Find Area
(SAB pp. 177–178)


Homework

Questions 1–3

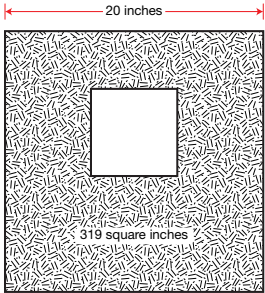
1. A. $20 \times 20 = 400$ square inches
 B. $400 - 319 = 81$ square inches
 C. 9 inches
2. Possible response: I divided the shape into 3 rectangles and then found the area of each small rectangle. The first one was $6 \text{ cm} \times 5 \text{ cm} = 30 \text{ sq cm}$. The next one was $3 \text{ cm} \times 5 \text{ cm} = 15 \text{ sq cm}$, and the third one was $2 \text{ cm} \times 3 \text{ cm} = 6 \text{ sq cm}$. Then I added $30 + 15 + 6 = 51 \text{ sq cm}$.
3. The area of the big rectangle is $6 \text{ cm} \times 10 \text{ cm} = 60 \text{ sq cm}$. The area of the hole is $3 \text{ cm} \times 7 \text{ cm} = 21 \text{ sq cm}$. Then I subtracted to find the area of the shaded part. $60 - 21 = 39 \text{ sq cm}$.

Name _____ Date _____

Use Strategies to Find Area



1. The sketch below shows a large square with a square hole inside it. The shaded part is 319 square inches.



Use the following steps to calculate the side length of the square hole.

- A. Find the area of the large square.
- B. Find the area of the square hole.
- C. Find the side length of the square hole.

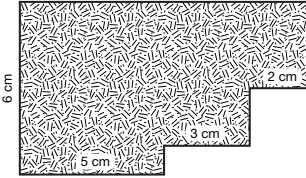
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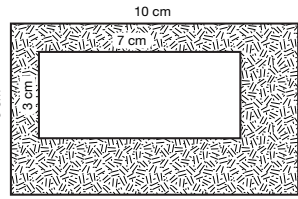
Name _____ Date _____

2. Find the area of the shape below. Show your work.



Area _____

3. Find the area of the shaded part in the shape below. Show your work.



Area _____

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