Name _____

Another Look!

The formula for the area of a rectangle is area = length × width, or $A = \ell \times w$.
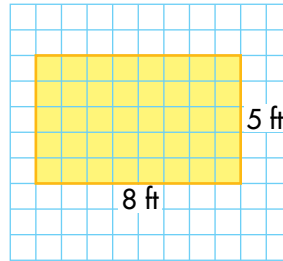
What is the area of the rectangle?

Step 1	**Step 2**	**Step 3**
Write the formula for the area of a rectangle. $A = \ell \times w$	Identify ℓ and w in the rectangle. $\ell = 8$ and $w = 5$	Calculate the area of the rectangle. $A = 8 \times 5$ $A = 40$ The area is 40 sq ft.

You can label an area in "square units" if there are no units given in the problem.

In **1** through **6**, use the formula to find the area.

1.

2 m
9 m

2.

3.

4. 5 ft

9 ft

5. 5 in.

5 in.

6. 21 mm

7 mm
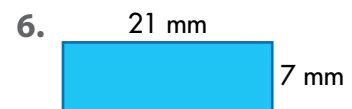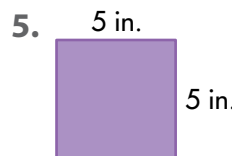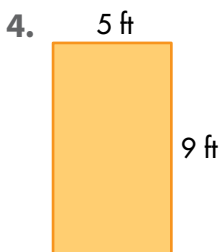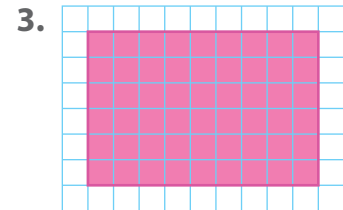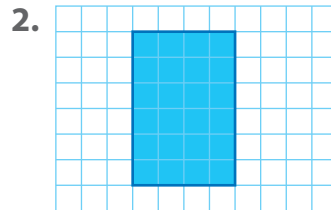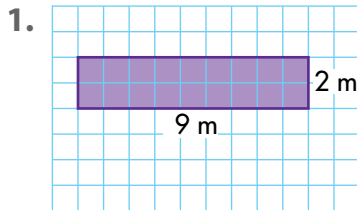
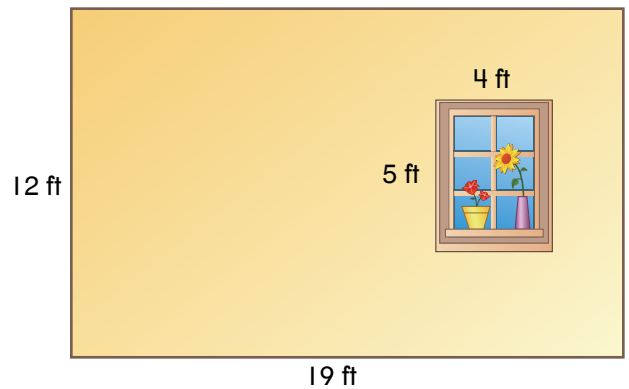**7. Connect** Mindy wants to paint one wall in her bedroom. What would be the area of the painted wall?

4 ft

12 ft

5 ft

19 ft

8. Explain A storefront window has 154 square feet of glass. The window is 7 feet tall. What is the perimeter of the window? Explain.

9. Construct Arguments Yasemin is trying to find the area of a square. She uses the formula $A = s \times s$ and finds that the area is 121 sq dm. Do you agree with Yasemin? Explain.

11 dm

10. There are 40 quarters in a roll of quarters. A bank receives 38 rolls of quarters. How many quarters does the bank receive?

11. Which is the area of a rectangle with a length of 26 cm and a width of 34 cm?

A   992 square cm
B   884 square cm
C   720 square cm
D   324 square cm

12. Extend Your Thinking The figure shows the dimensions of the school playground. What is the total area of the playground? Explain your strategy.

4 m

4 m

4 m

10 m