Center Activity 3.40 ★★

Square Units

What You Need

- square dot paper
- Recording Sheet

What You Do

- 1. Take turns. Choose a box on the **Recording** Sheet.
- **2.** Read the area. Draw a shape with that number of square units.
- **3.** Your partner checks your work.
- **4.** Continue until all the boxes have been completed.

Check Understanding Draw a shape with an area of 11 square units. Explain how you know the area is 11 square units.



Go Further!

Choose two boxes on the **Recording Sheet.** For each box, draw a different shape that has the same area. You can use dot paper.



Center Activity 3.40 $\star\star$ Recording Sheet

Partner A	

Partner B _____

Square Units

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3	• • • • • • •	• • • • • •
	Area = 7 square units	Area = 20 square units
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	Area = 12 square units	Area = 10 square units
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	Area $=$ 17 square units	Area $=$ 16 square units



Center Activity 3.41 ★★

Find Area

What You Need

• Recording Sheet

Check Understanding Divide one of the rectangles on the Recording Sheet to make two smaller rectangles. Explain how to find the area of one of the smaller rectangles.

What You Do		
1. Take turns. Choose a letter and read the	Α	6
2. Find the shape on the Recording Sheet that	В	14
has an area with that number of square units. 3. Write the area on the Recording Sheet .	с	4
Label the unit.	D	2
your answer.	E	18
5. Repeat until all the letters are used.	F	25



Look at the smallest square unit on the **Recording Sheet.** Estimate about how many of these square units it would take to cover one of the rectangles in the top row. Your partner does the same with the other rectangle in the top row. Discuss the estimates.





I can write a number in each box to count the square units.



Area Game

What You Need

- number cube
- dot paper
- Game Board

What You Do

- 1. Take turns. Roll the number cube. Read the area next to that toss in the table. If that number has been used already, your turn ends.
- 2. Draw a shape with that area on the Game Board.
- **3.** Your partner checks your work.
- 4. Repeat until you have a shape for each area.
- **5.** If there is enough space on the **Game Board**, play again.

Check Understanding Draw a shape on dot paper with an area of 13 square units. Explain how you know the shape's area.

Toss	Area
1	7 square units
2	20 square units
3	15 square units
4	17 square units
5	31 square units
6	23 square units

Go Further!

On dot paper, make 2 different shapes for each area listed in the table above.



Center Activity 3.42 ★★ Game Board

Partner B _____

Partner A _____

Area Game

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Area Problems

What You Need

• Recording Sheet

Check Understanding

Mike is building a rectangular patio that is 9 feet by 8 feet. What will be the area of his patio? Explain.

What You Do

- **1.** Take turns. Choose a letter, and read the sentences in the table next to it.
- 2. Find that letter on the **Recording Sheet** and solve the problem.
- **3.** Your partner checks your answer.
- **4.** Repeat until all the letters are used.

A	Maria needs carpet for the floor in her room. How many square feet does she need?
В	Mr. Lopez is painting a door. What is the area of the front of the door?
C	Zoe is putting fabric on the top of her pencil box. What is the area of the box top?
D	Shani has a garden. What is the area of her garden?
E	Grace is tiling the top of her square jewelry box. How many square-inch tiles does she need?
F	Wai needs carpeting on the floor in his room. How many square feet does he need?

Go Further!

Work together to draw and label as many rectangles as you can that have an area of 18 square centimeters.



Center Activity 3.43 $\star\star$ Recording Sheet

Partner	А	
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Partner B _____

Area Problems

