

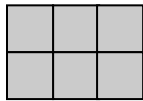
Formative Assessment

Area Unit 1

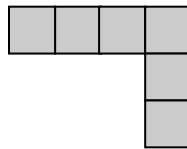
NAME: _____

1. Use your ruler in the space below to draw an inch and a square inch.

2. Each of these shapes was made by putting together square inches (pretend that each square is 1 inch on every side). What is the area of each figure? What is its perimeter?

Area = _____ in²

Perimeter = _____ in

Area = _____ in²

Perimeter = _____ in

3. The area of a rectangle is measured with square inches and with square centimeters. One inch is about $2\frac{1}{2}$ times as long as one centimeter.

Circle the statement that is true.

- a. The measure of the area of the rectangle is greater with square inches than with square centimeters.
- b. The measure of the area of the rectangle is greater with square centimeters than with square inches.
- c. The measure of the area of the rectangle is not affected by the choice of square inch or square centimeter.

Tell why:

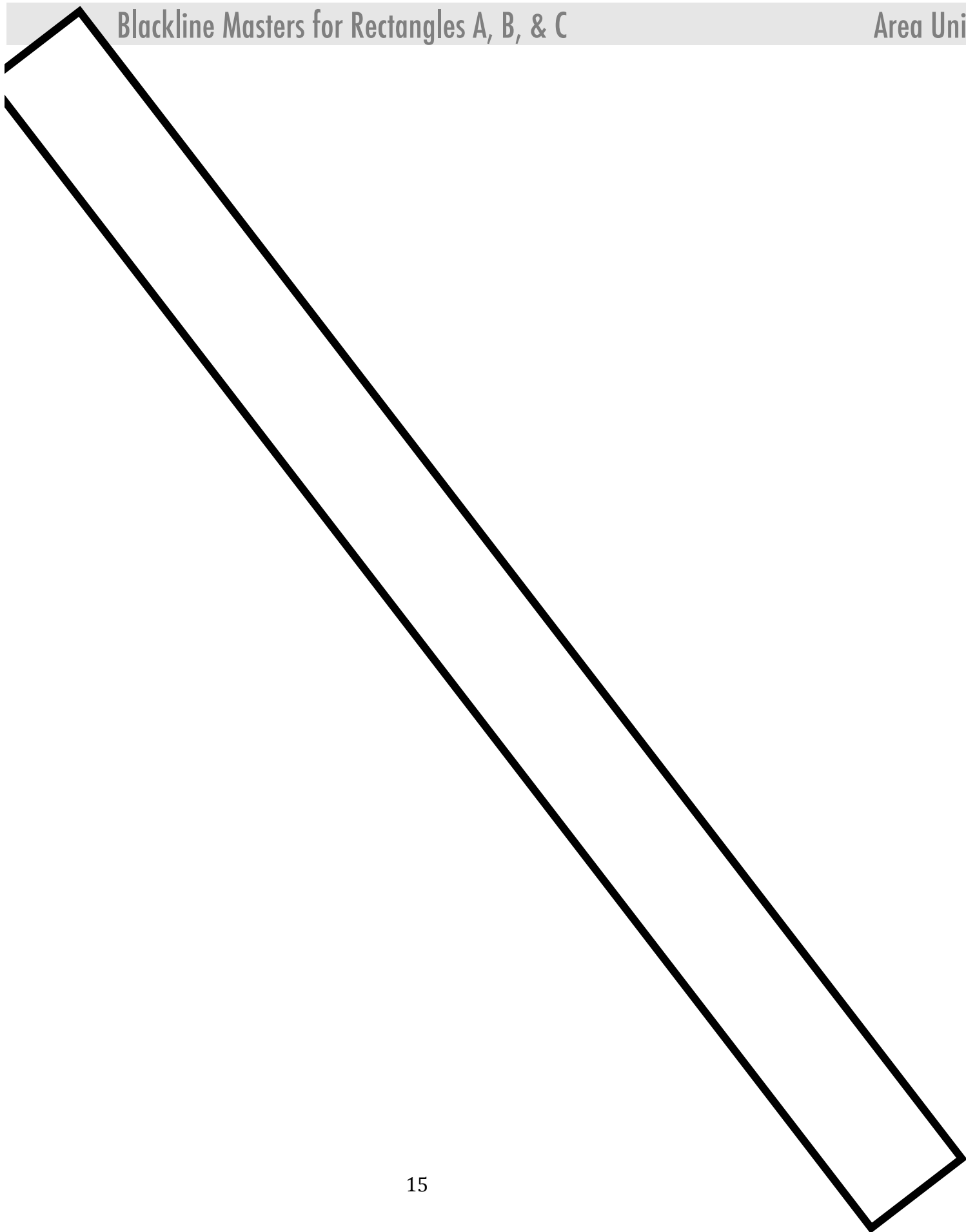
Formative Assessment Record

Area Unit 1

Indicate the levels of mastery demonstrated by circling those for which there is clear evidence:

Item	Level <small>Circle highest level of performance</small>	Description	Notes
Item 1 Constructing and Differentiating Inch and Square Inch.	ToAM 3D Recognize/construct suitable units.	Distinguishes between inch and square inch.	
	NL	Cannot construct the distinctions.	
Item 2 Using counts of units for area, edges of squares for perimeter.	ToAM 3D Recognize/construct suitable units.	Area as 6 in.^2 and perimeters as 10 in. , 14 in.	
	Other Describe		
Item 3 Extension: Constructing and Differentiating fractional length and area.	ToAM 3E Flexible conceptions of appropriate units of area unit, including recognition of inverse relation between unit and area magnitudes.	Chooses b and explains that each square centimeter covers less space and so it takes more of them to cover the area of the rectangle.	

Blackline Masters for Rectangles A, B, & C



Blackline Masters for Rectangles A, B, & C

Area Unit 1

