

## Find Out by Doing

### 1. Find out by doing.

You can create a quilt by sewing together congruent squares to form blocks. To model a quilt block, cut four 3 in.-by 3 in. squares out of  $\frac{1}{4}$  in graph paper. Place one square on top of another and make a seam by stapling the two squares together  $\frac{1}{4}$  in. from the top of the edges. Unfold the squares and press the seam flat in the back. Repeat this with the two other squares. Then place the two sections on top of each other. Staple a  $\frac{1}{4}$  in. seam from one end to the other. Unfold and press the seams back.

1. What is the total area of the four paper squares that you started with?
2. What is the area of your finished quilt block?

Due: \_\_\_\_\_

I will grade you on the following criteria:

- Accuracy of stapling the squares together
- Accuracy of calculating the total area of individual squares
- Accuracy of calculating area of quilt block

	2	1
1. Squares stapled together	Stapled Correctly	Stapled Incorrectly
2. Total area of Individual Squares	Calculated Correctly	Calculated Incorrectly
3. Area of Quilt Block	Calculated Correctly	Calculated Incorrectly

Total Score \_\_\_\_/6