ANSWERS WILL VARY

Name _____   Date _____

Use this form to critique Student A's problem-solving work on the next page.

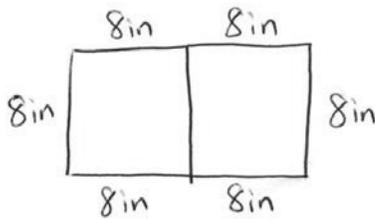| Student:	Student A	Problem number:	1a
Strategies Student A used:	Drew a picture of the rectangle Used multiplication to find perimeter		
Things Student A did well:	Used all the steps of RDW Realized that multiplication could be used to quickly find perimeter.		
Suggestions for improvement:			
Strategies I would like to try based on Student A's work:	I liked the strategy of using multiplication rather than add six 8's.		

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Name _____**STUDENT A**_____ Date _____

1. Katherine puts 2 squares together to make the rectangle below. The side lengths of the squares measure 8 inches.

8 in

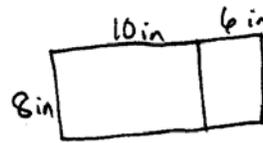a. What is the perimeter of Katherine's rectangle?

8in   8in
8in   8in
8in   8in

$P = 6 \times 8\,in$
$P = 48\,in$
The perimeter is 48 inches.
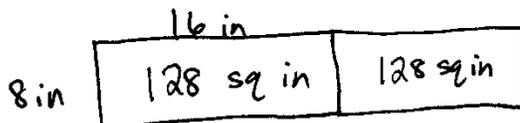
b. What is the area of Katherine's rectangle?

10in   6 in
8in

$A = (8 \times 10) + (8 \times 6)$
$A = 80 + 48$
$A = 128\,sq\,in$
The area is 128 sq in.

c. Katherine draws 2 of the rectangles in Problem 1 side by side. Her new, larger rectangle is shown below. What is the area of the new, larger rectangle?

8 in

16 in
8 in | 128 sq in | 128 sq in

$A = 128\,sq\,in + 128\,sq\,in$
$A = 256\,sq\,in$

The area of the new rectangle is 256 sq in.

Lesson 30: Share and critique peer strategies for problem solving.

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