

Name: _____

Practice with Multi-Step Word Problems

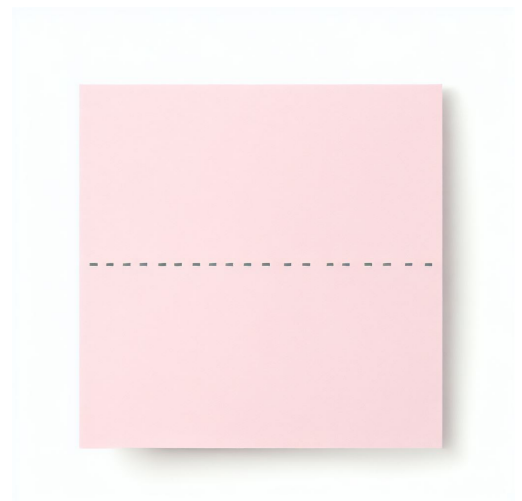
NEIL'S SQUARE PAPER

Neil folded a square sheet of paper horizontally to make two rectangles. Each rectangle had a perimeter of 39 centimeters.

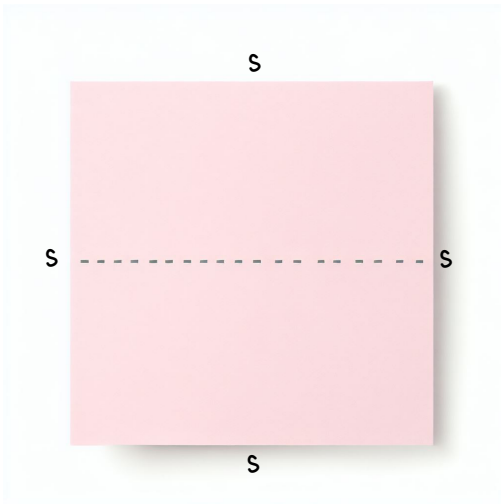
A) How long is each side of the original square piece of paper?

B) What is the area of the original square piece of paper?

C) What is the area of one of the rectangles?



ANSWER KEY



Each side length = S

$$S + S + S/2 + S/2 = 3S$$

$$3S = 39$$

$$S = 13 \text{ cm}$$

$$\text{Area of the Square} = 13 \times 13 = 169 \text{ cm}^2$$

$$\text{Area of the Rect.} = 13 \times 16.5 = 84.5 \text{ cm}^2$$

A) Each side of the square is 13 cm

B) The area of the original square is 169 cm²

C) The area of one of the rectangles is 84.5 cm²