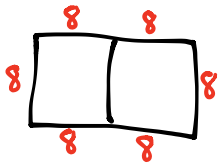
Name _____ Date _____

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

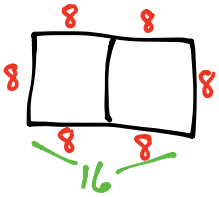

a. What is the perimeter of the rectangle Katherine made with her 2 squares?




6 x 8 in = 48 in

The perimeter is 48 in.

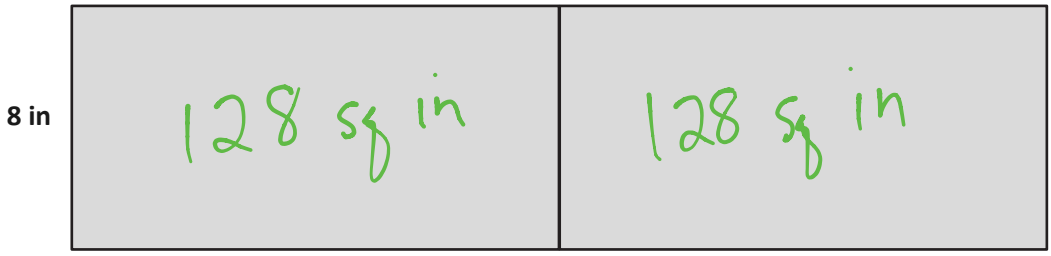
b. What is the area of Katherine's rectangle?




8 in x 16 in = 128 sq in

The area is 128 sq in.

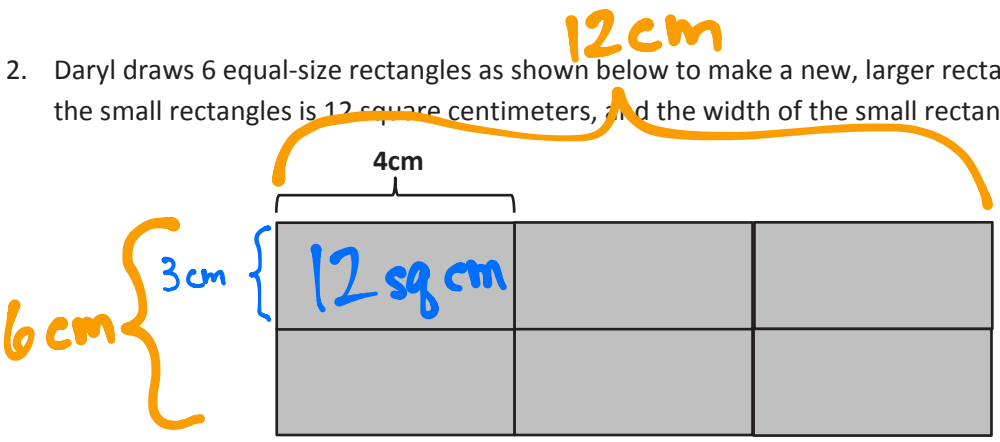
c. Katherine decides to draw another rectangle of the same size. What is the area of the new, larger rectangle?




$$\begin{array}{r} {}^{1}128 \\ +\,128 \\ \hline 256 \end{array}$$

The area is 256 square inches.

2. Daryl draws 6 equal-size rectangles as shown below to make a new, larger rectangle. The area of one of the small rectangles is 12 square centimeters, and the width of the small rectangle is 4 centimeters.




a. What is the perimeter of Daryl's new rectangle?

6 cm + 12 cm + 6 cm + 12 cm = 36 cm

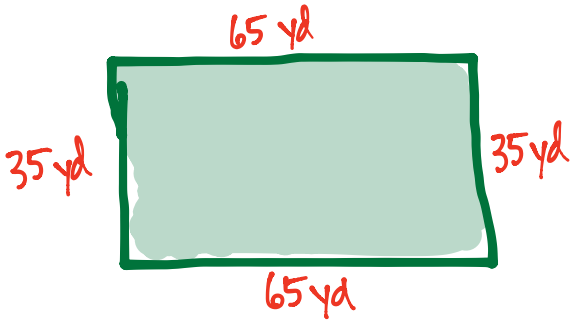
The perimeter of the new rectangle is 36 cm.

b. What is the area of Daryl's new rectangle?

6 cm × 12 cm = 72 sq cm

The area is 72 sq cm.

3. The recreation center soccer field measures 35 yards by 65 yards. Chris dribbles the soccer ball around the perimeter of the field 4 times. What is the total number of yards Chris dribbles the ball?




35 yd + 65 yd + 35 yd + 65 yd

100 yd + 100 yd = 200 yd

4 × 200 yd = 800 yd

Once around the field is 200 yards, so four times around is 800 yards.