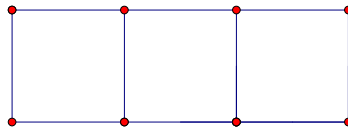


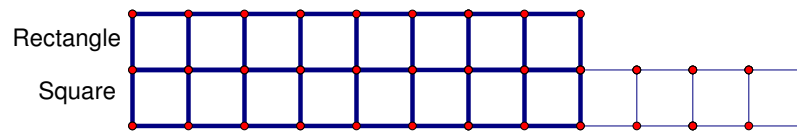
1.

2. This problem may have been graded incorrectly. A picture of the rectangle is shown below.



The perimeter of the rectangle is equal to 8 sides of the squares. The perimeter of one square is equal to 4 sides of the square and so the sum of the perimeters of all 3 squares is  $3 \times 4 = 12$  sides of the squares.

We can use boxes to show this relationship and then to find the perimeter of the rectangle. In the diagram below, each box represents the length of the side of one square. The perimeter of the rectangle is bolded.



We can clearly see that the difference between the two perimeters, which the problem tells us is 24 cm, is actually the same as 4 sides of a square. Now each side of a square has length  $24 \div 4 = 6$ . The perimeter of the rectangle is  $8 \times 6 =$  .

A rectangle is formed using three equal-size squares. The perimeter of rectangle is 24 cm less than the sum of the perimeter of the squares. Find the perimeter of the rectangle?

3.

4.

5.

6.

7.

8.

9.