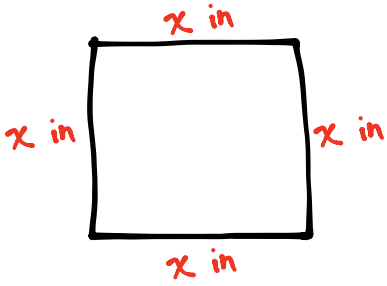
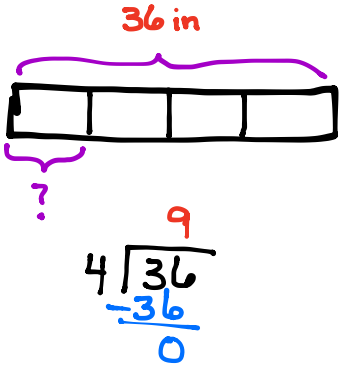
Name _____ Date _____

1. Rosie draws a square with a perimeter of 36 inches. What are the side lengths of the square?





Each side length is 9 inches.

2. Judith uses craft sticks to make two 24-inch by 12-inch rectangles. What is the total perimeter of the 2 rectangles?

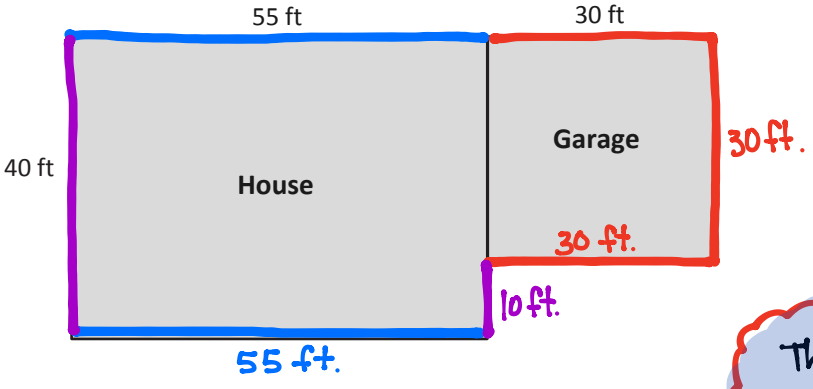
Perimeter = 12 in + 24 in + 12 in + 24 in
= 36 in + 36 in
= 72 in

Perimeter = 12 in + 24 in + 12 in + 24 in
= 36 in + 36 in
= 72 in

Total = 72 in + 72 in
= 144 in

The total perimeter of the two rectangles is 144 inches.

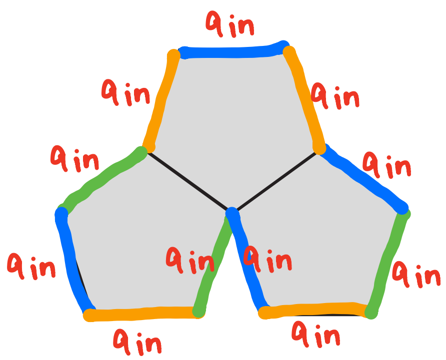
3. An architect draws a square and a rectangle as shown below to represent a house that has a garage. What is the total perimeter of the house with its attached garage?



P = 55 + 30 + 30 + 30 + 10 + 55 + 40
= 110 + 100 + 40
= 250 feet

The total perimeter of the house and garage is 250 feet.

4. Manny draws 3 regular pentagons to create the shape shown below. The perimeter of 1 of the pentagons is 45 inches. What is the perimeter of Manny's new shape?



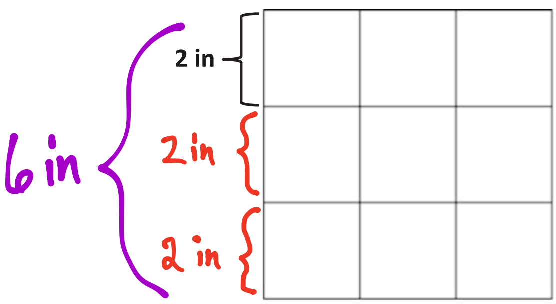
If the perimeter of a pentagon is 45 inches, then each side is 9 inches long.

$11 \times 9 \text{ in} = 99 \text{ in}$

The perimeter of the shape is 99 inches.

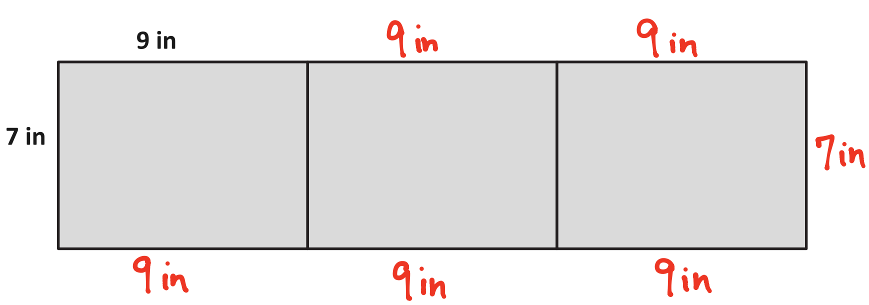
5. Johnny uses 2-inch square tiles to make a square, as shown below. What is the perimeter of Johnny's square?

$4 \times 6 \text{ in} = 24$ inches



The perimeter of the square is 24 inches.

6. Lisa tapes three 7-inch by 9-inch pieces of construction paper together to make a happy birthday sign for her mom. She uses a piece of ribbon that is 144 inches long to make a border around the outside edges of the sign. How much ribbon is left over?



There is 76 inches of ribbon left over.

Perimeter = $(6 \times 9 \text{ in}) + (2 \times 7 \text{ in})$
= 54 in + 14 in
= 68 inches

$144 - 68 = 76$