Question.

The length of a rectangular field is 8 m less than twice is breadth. If the perimeter of a rectangular is 56 m, find its length and breath.

P = 56 ma = ? b = ?

Solution.

Let the breadth is equal to x meters. Therefore, the length is equal to 2x - 8 meters. So,

$$a = x; b = 2x - 8$$

The perimeter of a rectangular is defined as:

$$P = 2(a+b) = 2(3x-8) = 6x - 16$$

Calculate:

$$56 = 6x - 16 \rightarrow 6x = 72 \rightarrow x = 12$$

Thus, the breadth is a = x = 12 m and the length is b = 2x - 8 = 16 m

Answer.

12 *m* ; 16 *m*