

Question#19664

if a shape has 88 area and 52 perimeter what is the length and breadth?

Solution:

Let:

$$L = 52$$

$$S = 88$$

$$l-?, b-?$$

$$\begin{cases} l * b = S \\ 2l + 2b = L \end{cases}$$

$$\begin{cases} l * b = 88 \\ 2l + 2b = 52 \end{cases}$$

Solutions of the system are:

$$l = 22, b = 4$$

Answer: length is 22, breadth is 4.