

The perimeter is the sum of the side lengths: $P = 12 + 5 + 5 + 15 + 9 = 46$

The trapezoid has bases of 15 and 12 and height $9 - 5 = 4$. Its area is $A = \frac{15 + 12}{2} \cdot 4 = 54$

The area of the rectangle is $A = 15 \cdot 5 = 75$. The total area is $54 + 75 = 129$.