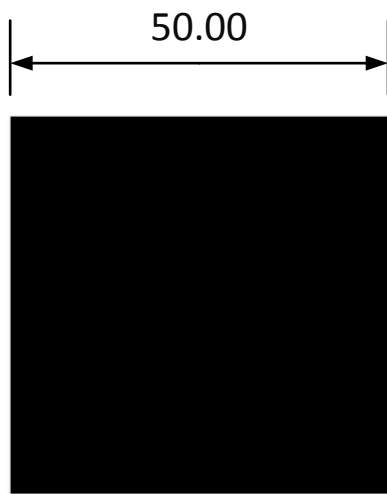
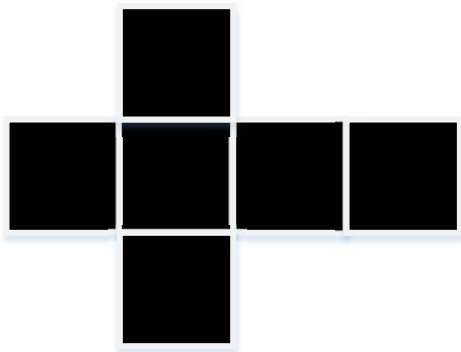


Examining the original rectangle, the area was increased by a half. The aspect ratio remains the same.

What is the new value of t ?



Squares, as shown on the left, are used to form a net of a cube.



The net is cut in the way shown on the left.

If we increase the length of each square in the net by 40%, how much bigger would the surface area be in the new cube?