

Answer on Question #79138 - Math - Geometry

If you double the length of the side of a square, by how much do you increase the area of that square?

Solution. Let the side of the square be a . Then the area of the square

$$A = a * a$$

When we double the side, the new area equals:

$$A_{new} = 2a * 2a = 4a^2 = 4A$$

Answer: by 4 times