If cube edge is x then

$$V = x * x * x = x^3$$

$$S = x * x * 6 = 6x^2$$

So if we doubled edge:

$$V = 2x * 2x * 2x = 8x^3$$

$$S = 2x * 2x * 6 = 24x^2$$

Answer: volume increased by 8 times. Surface increased by 4 times.