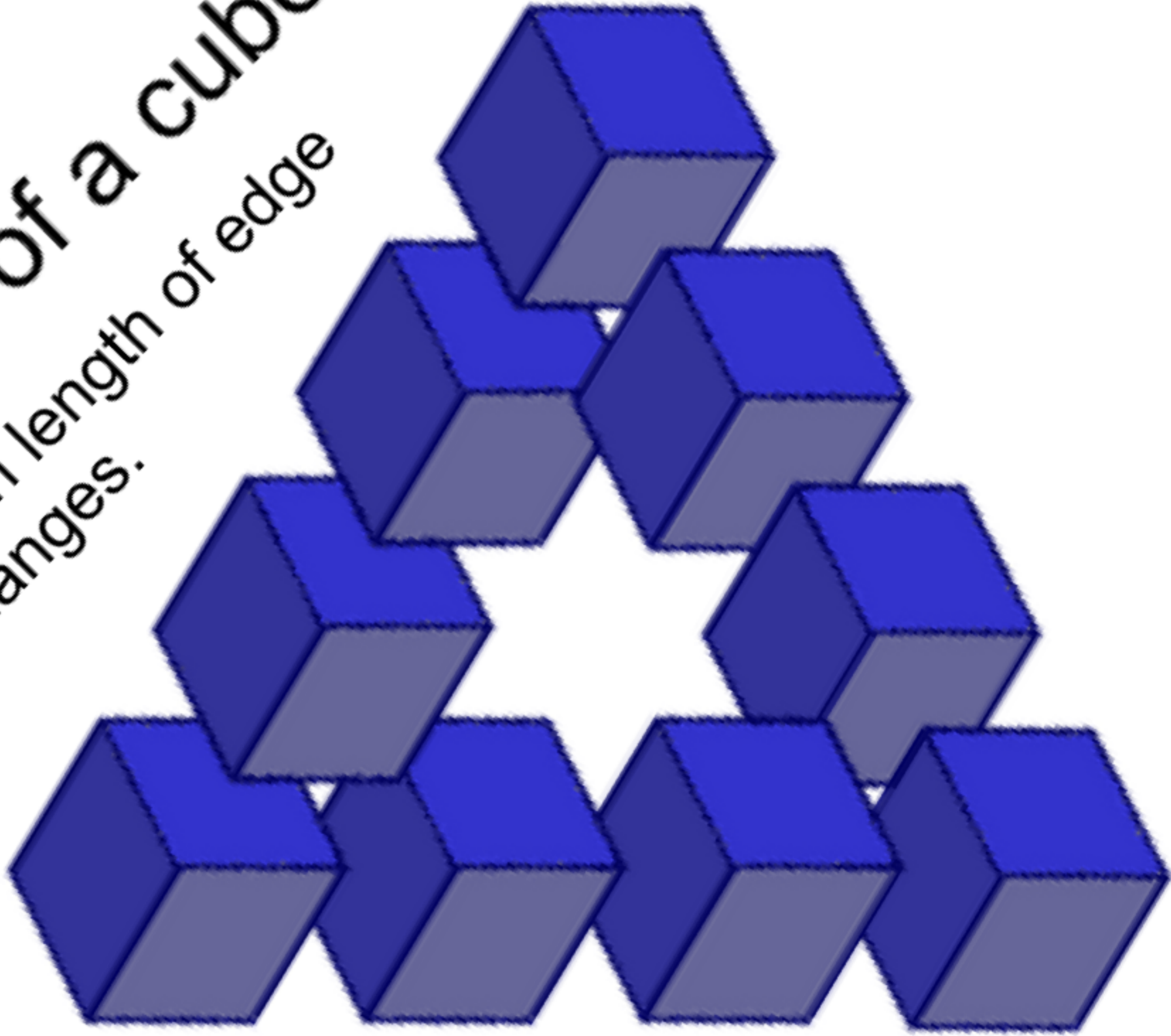
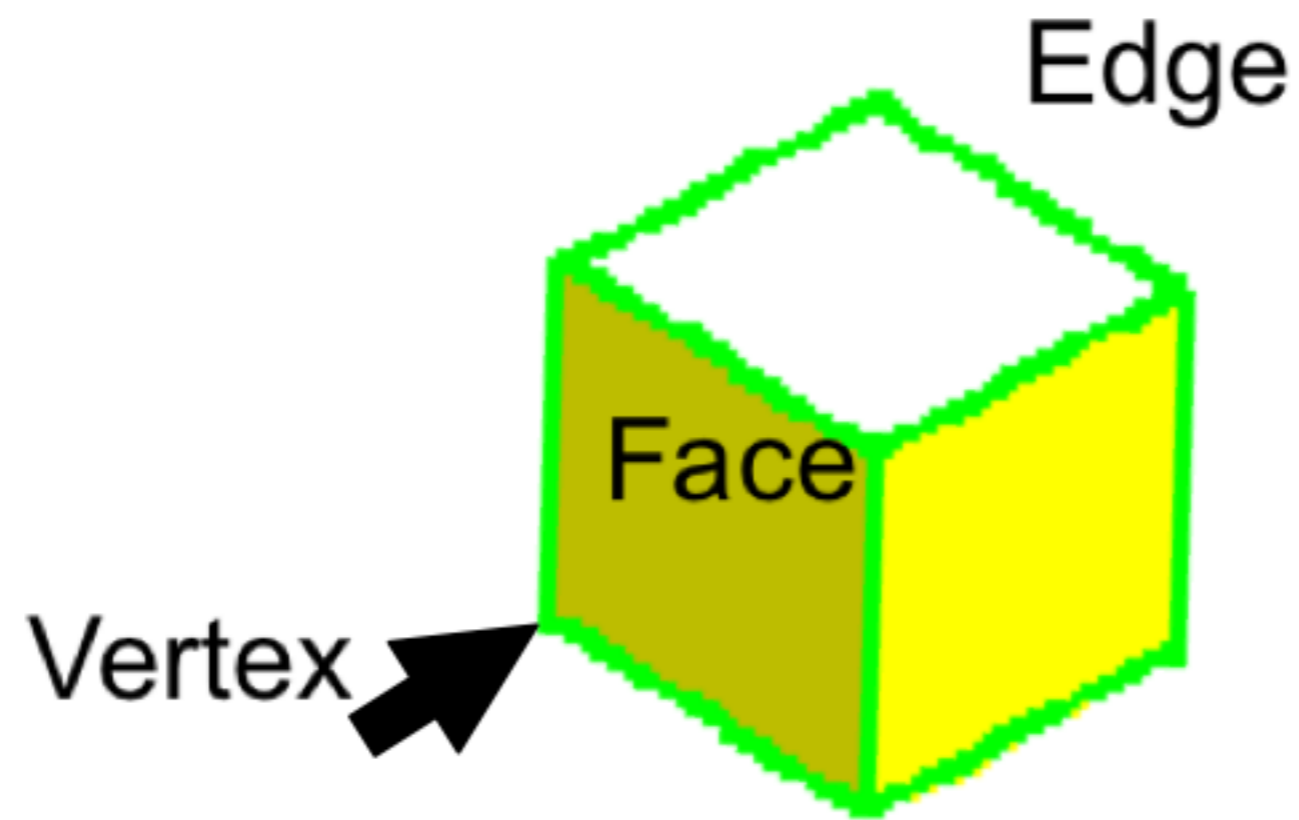


Volume of a cube.
When length of edge
changes.



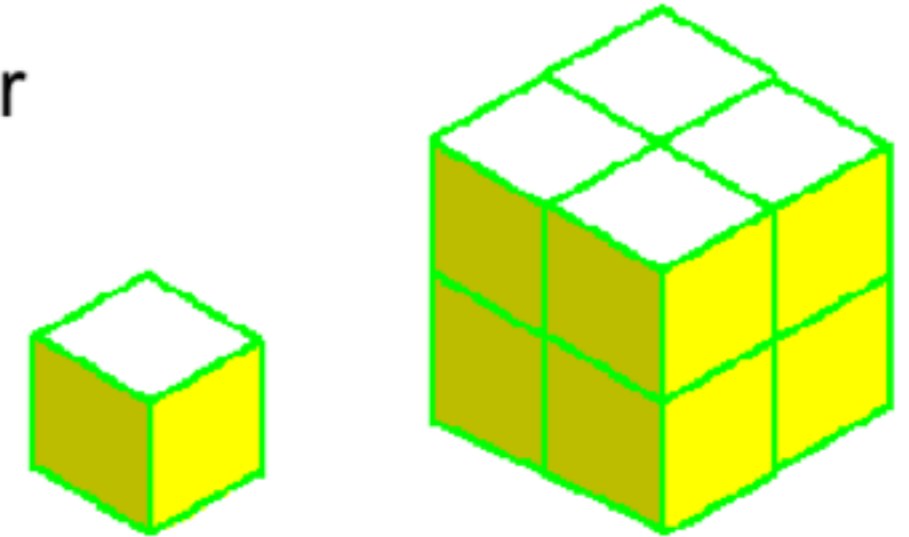
Anatomy of a Cube



$$\text{Volume} = lwh$$

What happens to the volume of a cube if you double the length of its side?

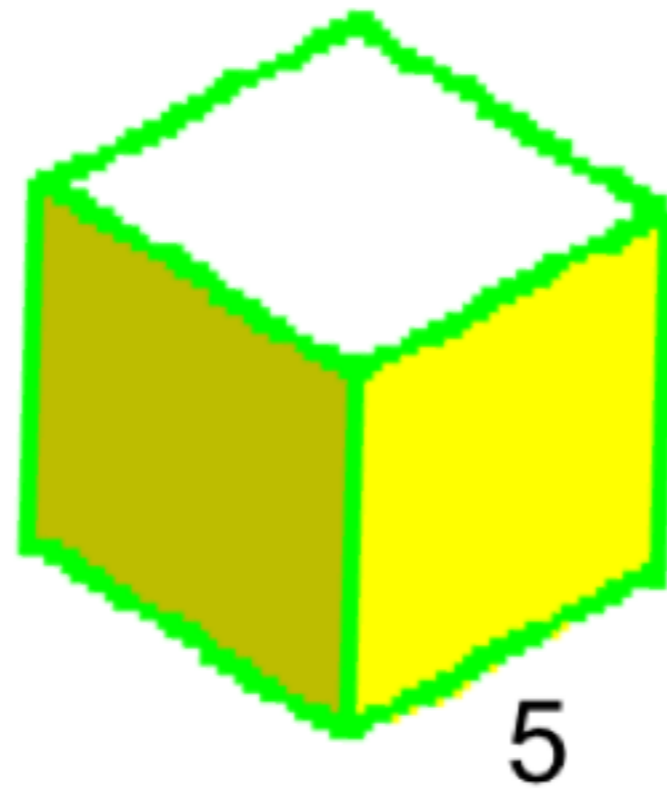
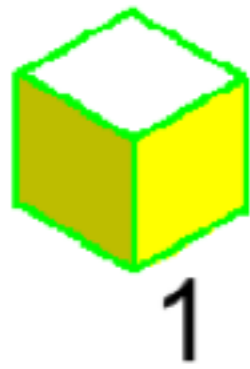
Suggestion: Use a similar strategy to the one used in the area problem.



What happens to the volume of a cube if you triple the length of its side?



How many times larger than the volume of the first cube is the volume of the second cube?





Challenge!

A cube has an edge that measures "ax". What is its volume?