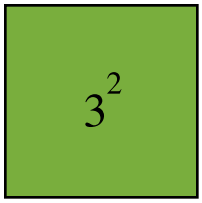
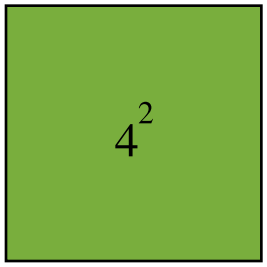
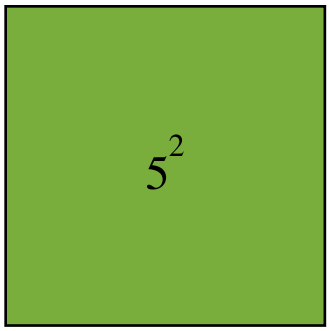
Instantaneous rate of change = 6x




Instantaneous rate of change = 8x

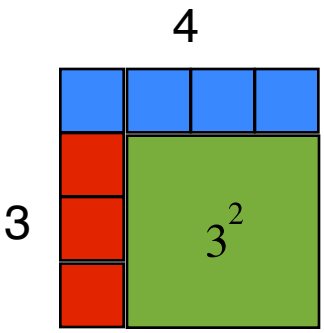



Instantaneous rate of change = 10x




Interval of 1

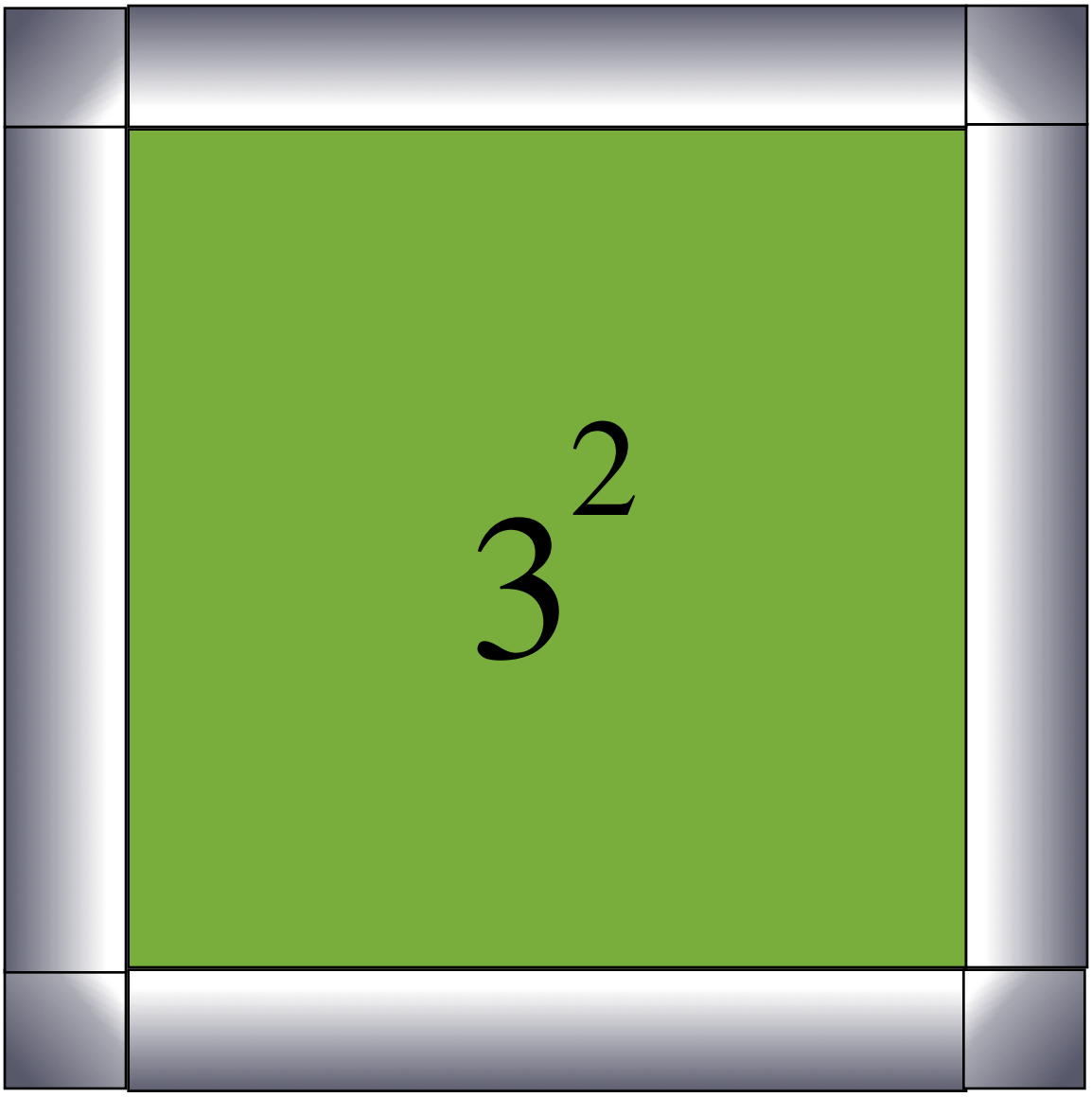
Interval of 1

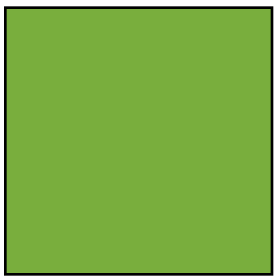



Average rate of change = 7x

The change is over an interval of 1, thus the total change over the interval is 7.

The growth is not constant throughout the interval, thus the growth rate must be graduated to avoid the generalization. The darker the area, the greater the growth at that point.




Let it be known that even this is not accurate as the growth should not be localized at the edges, the growth should occur throughout the entirety of the square.

Now, here comes the hard part: cubes.