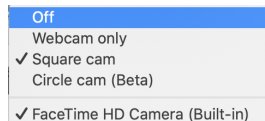Building Blocks Quiz 1 – 10 points   Name_____

What you will submit: A video where you solve the problem on screen while you narrate the process. You can either type or draw the solution.

Process:
1) Open an empty document.   Put your name at the top.
2) Open Vidgrid and click on record.
3) Select screen recorder.
4) Click the cam button [icon] and select the square cam to get a inset picture of you.

5) Click the full screen button. [icon]
6) Click record.
7) As you solve the problem in your empty document give a narration explaining the steps in your solution.
8) Stop the recording.
9) Give your video a name that includes **your last name**
10) Upload the video by clicking on the check.
11) Download the video.
12) Submit the video to the assignment.

You may use paper based resources on this quiz. You are not allowed to use any electronic resources aside from your computer to compose, record and submit your response.

a) Compute the value of the following arithmetic sum ***using Gauss's method*** that we discussed in class.

A = 1051 + 1101 + 1151 + 1201 + 1251 + 1301 + 1351 + 1401 + 1451

b) Compute the value of the following geometric sum ***using the method*** that we discussed in class (multiply by the common ratio, subtract and solve).

$$G = 4^3 + 4^4 + 4^5 + \cdots + 4^{11}$$

Bonus follows

c) (**Bonus**) Evaluate the following expressions

$$log_2(5!)$$

$$\lfloor -1.11 \rfloor + \lceil -1.99 \rceil$$