

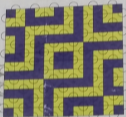
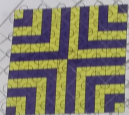
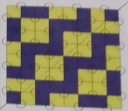
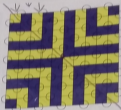




UKI

What's

the pattern?



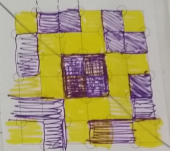
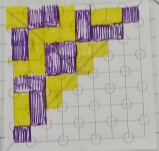
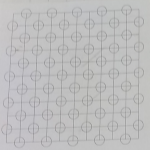
- pay attention to circles
- start anywhere
- pay attention to the diagonal box.



not



mus



	1	2	3	4	5	6	7	8	9
1	Red		Green	Blue					
2		Blue	Yellow			Yellow	Purple		
3	Green	Yellow					Blue	Yellow	
4	Blue			Yellow			Red	Blue	Purple
5					Blue				
6	Yellow								Yellow
7	Purple	Blue	Red		Yellow			Blue	
8		Yellow	Blue				Yellow	Green	
9			Purple	Yellow		Yellow	Blue		

Snap!

- Motion
- Looks
- Sound
- Pen
- Control
- Sensing
- Operators
- Variables

touching mouse-pointer

touching ?

color is touching

ask what's-your-name? and

answer

mouse position

mouse x

mouse y

mouse down?

key space pressed?

distance to mouse-poin

hue at mouse-pointer

reset timer

timer

current date

costume# of

my neighbors

object myself

url snap.berkeley.edu

microphone volume

video motion on myself

practice projects

Sprite

draggable

Scripts Costumes Sounds

when clicked

go to x: 0 y: 0

point in direction 90

pen down

clear

repeat 4


move 100 steps

turn 90 degrees

In a second browser tab, open Snap! and make a copy of this code.

Click the green flag to start. This should solve level 1. How about level 2? (Use left/right arrow keys to change level, space to redraw.)

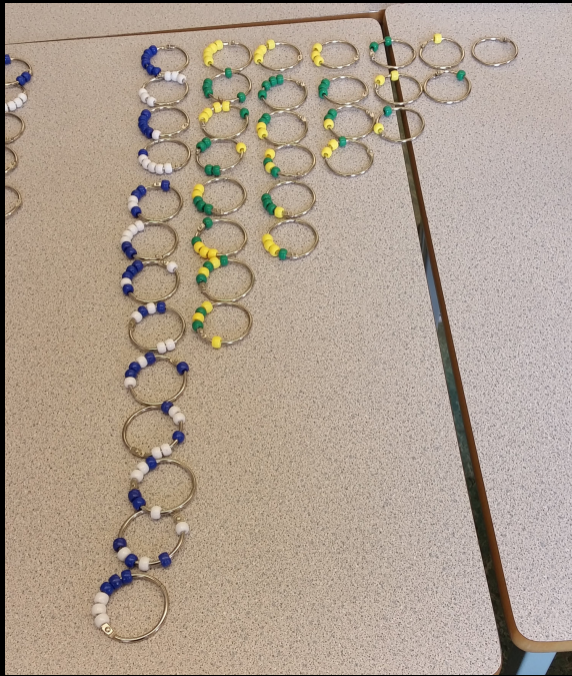
Level 9



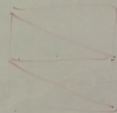
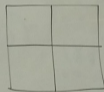
Sprite

Stage











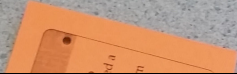
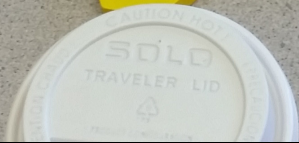
**Tessellate!**  
My tessellation is made up entirely of hexagons, but not all of the hexagons are yellow. Use Pattern Blocks to make my tessellation!

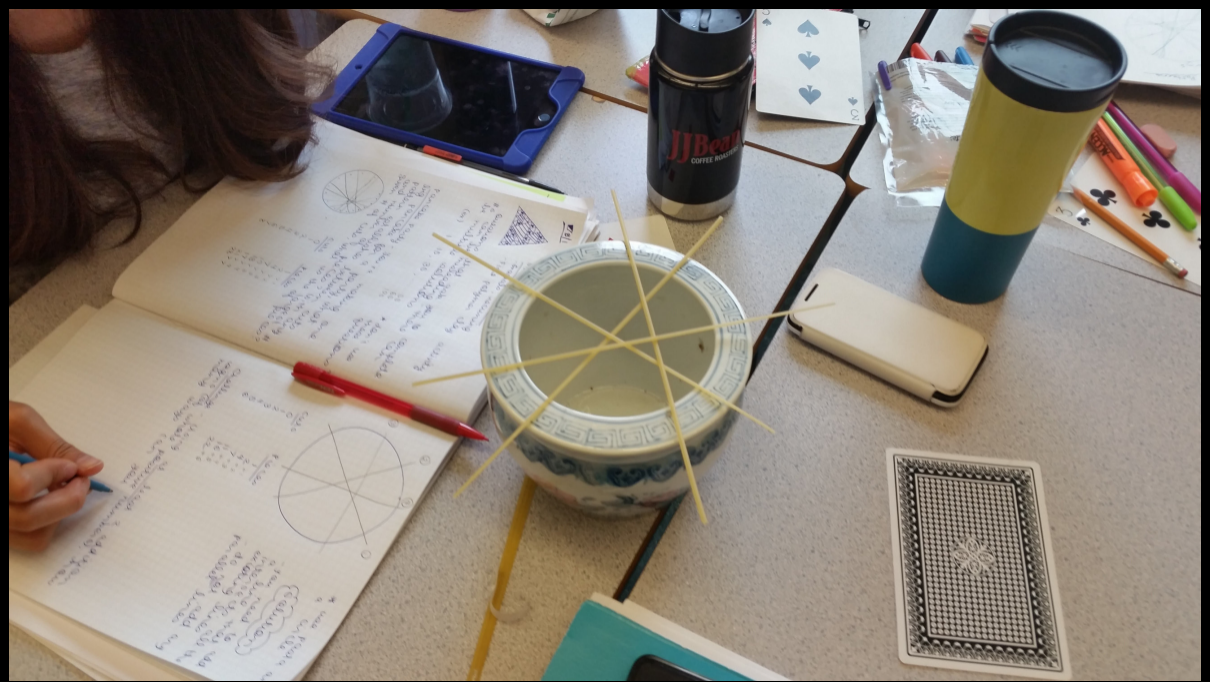


**Tessellate!**  
No rhombus touches any other rhombus; no triangle touches any other triangle.  
Use Pattern Blocks to make my tessellation!



**Tessellate!**  
A rhombus touches over 10 other rhombi.  
In this hexagon, yellow hexagons touch yellow hexagons.





Handwritten notes in a notebook, including a diagram of a circle with lines and text such as "Challenge" and "Collaboration".

