

Station 2 Desmos

Desmos Activity

Directions: Go onto **student.desmos.com** and type in the **code S434B**. One partner will write, the other partner will type.

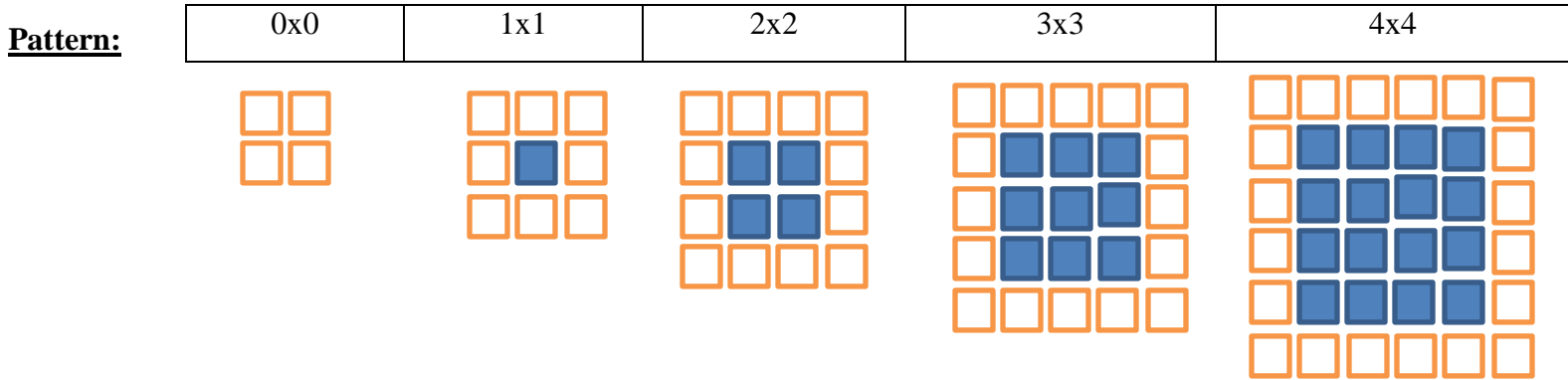




Table:

Pool Size 	Figure 0 0x0	Figure 1 1x1	Figure 2 2x2	Figure 3 3x3	Figure 4 4x4
Border Tiles 					

How many **border tiles** are added each time after every figure? _____

How many **border tiles** are in figure 0? _____

Create the rule:

x = figure number
y = the border tiles

$$y = \underline{\quad}x + \underline{\quad}$$

Practice: Using the rule you created, answer the following questions

How many border tiles do you need for a pool that is:

Figure 10 10x10

Figure 13 13x13