

Marcus

3

Cuisenaire Squares

I noticed that these squares had a pattern:

- first they were becoming bigger in size. Every time a new square was added to the sides of the previous ones.
- The first square had 2 small squares on each side, so there were 4 small squares composing the bigger square. The second square has 3 small squares on each side, so there were 9 small squares composing the bigger square. The third square had 4 small squares on each side, so 16 in total. The fourth had 5 squares each side, so 25 in total. And so on.

Resources

rich.maths.org

13%

Also like

Pyramid

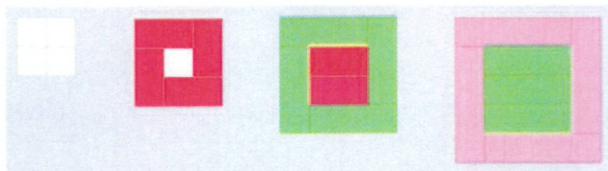
Activity: how you might use these and is from Polydron.

Struct-objects

Use out of straws go at this challenge.

Small Packets

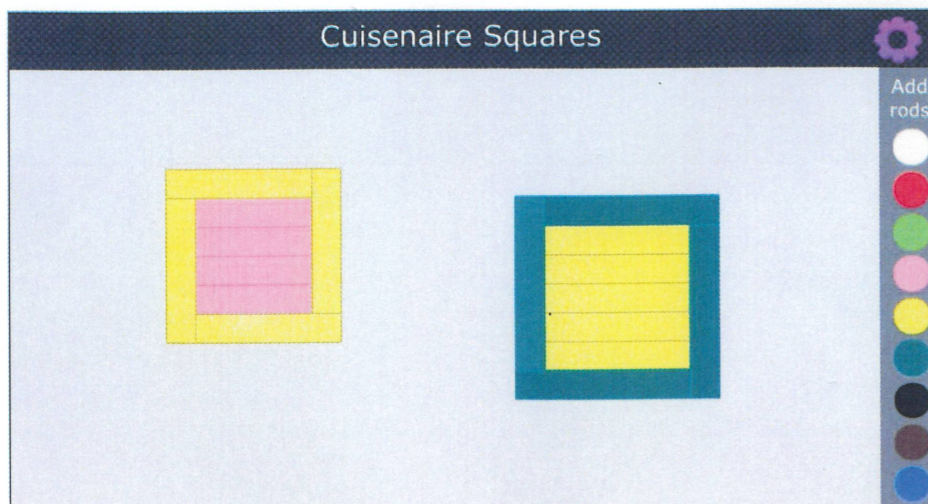
Can you put five sets together to form shapes if you join face-to-face?



What do you notice?
What do you wonder?

How would you describe what you see?

These patterns have been made using Cuisenaire rods.
Try recreating the picture using rods or using this interactivity:



- Then the colors. Every new rod had a different color. I notice that the new frame has one color and inside there is another color, which is the same of the new frame in the square before. So there is a pattern, the bigger the square, a new color is added. A square with 49 small squares has the frame in green and the inside in yellow. The next level is 8x8

so 64, with the color dark brown in the inside part in green. Then 9x9 so light brown as new and dark brown inside. Then 10x10, so blue and light brown. And so on, and so on..