Reflection:

At the beginning of the activity, most students didn’t understand how to build the third pattern in different ways. Each group builds only one pattern and couldn’t deduce other patterns. Almost all the groups made the same pattern. I had to pass by the students and ask them some questions to let them think in other ways.

All the students were able to build the pattern numerically, but some of them were not able to build it geometrically. Jawaher and Anood knew how to count the number of tiles and that the pattern increases numerically by 2, but couldn’t build the pattern geometrically. I passed by them and explained to them how to visualize the pattern.

After building the patterns, and while writing the journal to describe the pattern numerically and geometrically. Most students were able to describe the pattern as add 2 tiles, but couldn’t describe the pattern geometrically as it is difficult for them to write a description. They are not used to it. I passed by the students who found a difficulty in describing the pattern geometrically and gave them some hints on how to describe a pattern geometrically.

Anood, Maram, Bodour and Khaola couldn’t predict the next term after exchanging the papers with another group. They found it difficult to describe the pattern numerically and geometrically, then build the fifth pile. I passed by them, asked them to describe the pattern numerically, then to describe the pattern geometrically, then finally build the fifth pile.

While writing the journal, deducing the 20th term was difficult to some students. Some of them wrote and drew all the patterns from the fifth till the 20th to find the number of tiles in the 20th term.