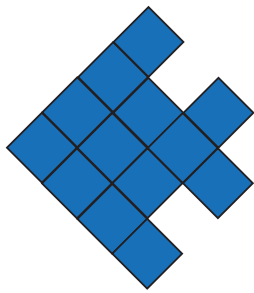
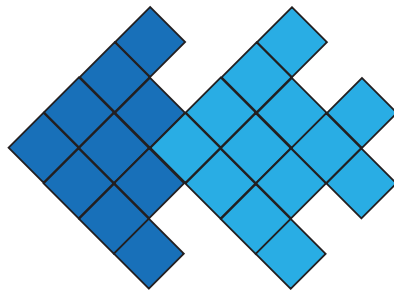


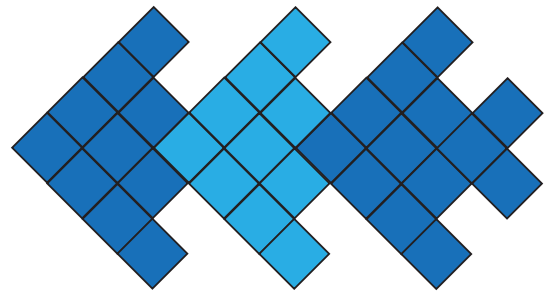
Building Patterns Constantly: Patterns investigation



Term 1



Term 2



Term 3

Nikau makes this growing pattern of ika (fish).

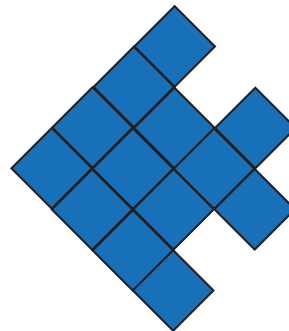
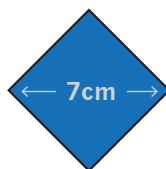
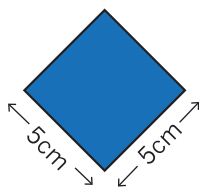
His plan is to tile a frieze around the walls of his uncle's takeaway shop.

Imagine that the shop is the size of your classroom and square tiles are 5cm by 5 cm. How many square tiles will Nikau need to complete his tiling?

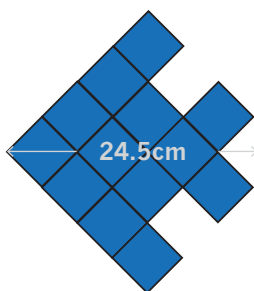
- Here is an example of a frieze.



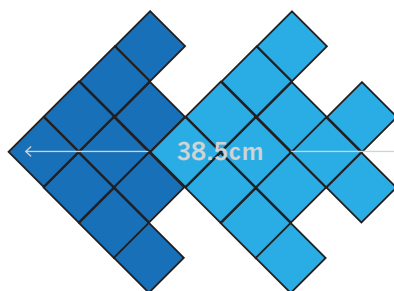
- The diagonal of a 5cm x 5cm square is about 7cm. So how long is each ika (fish)?



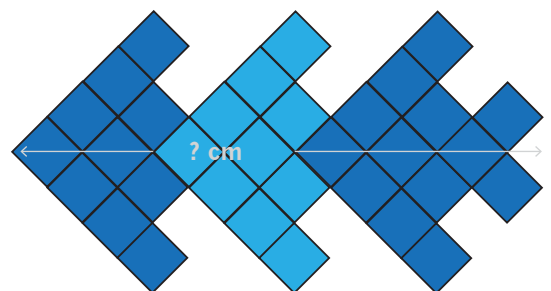
- Adding on a fish is less length than adding a whole fish because there is overlap.



Term 1



Term 2



Term 3