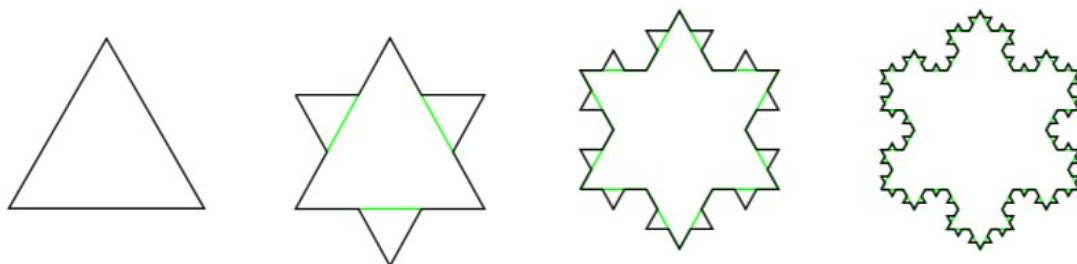


IB Maths Flying Start Investigation

In a mathematical investigation the process is more important than any final answer, so include all your thoughts and working out even if you do not think you have gone down the right path.



- Study the sequence of shapes above. How is each shape created from the previous one?
- What do you notice about how the perimeter changes from shape to shape?
- Can you work out the perimeter of the fifth shape in the sequence if the length of the sides of the original triangle is one unit?
- What do you notice about how the area changes from shape to shape?
- Can you work out the area of the fifth shape if the area of the original triangle is one square unit?
- If these patterns were continued infinitely what will happen?