

Joint Project ERASMUS+
Romania: 2022-1-RO01-KA121-SCH-000060607
Italia: 2022-1-IT02-KA121-SCH-000051607
Spain: 2022-1-ES01-KA121-SCH-000061730

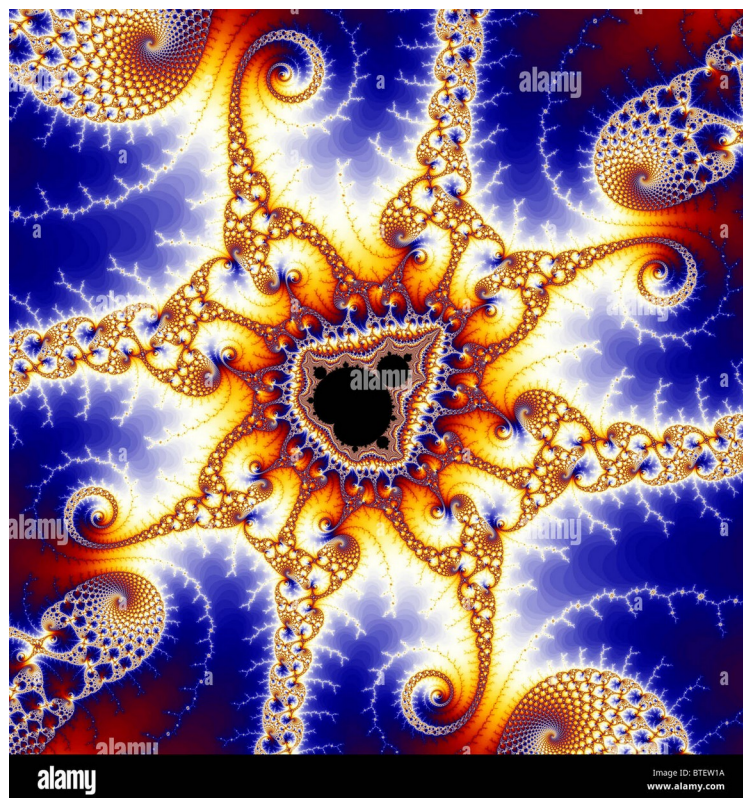


Group mobility of school pupils
Meeting in Spain - Marmolejo # 21 - 25 november 2022

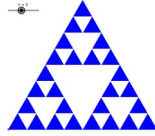
Maths Workshop

FRACTALS

What's a fractal?: <https://goo.su/h1L6g1>
Geogebra Fractals: <https://goo.su/5uho>



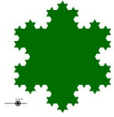
Sierpinski Triangle



Fill the table

n	Blue triangles	Total perimeter
0	1	3
1	3	$\left(\frac{1}{2}\right) \cdot 3 \cdot 3$
2		
3		
4		
5		
n		

Koch Island



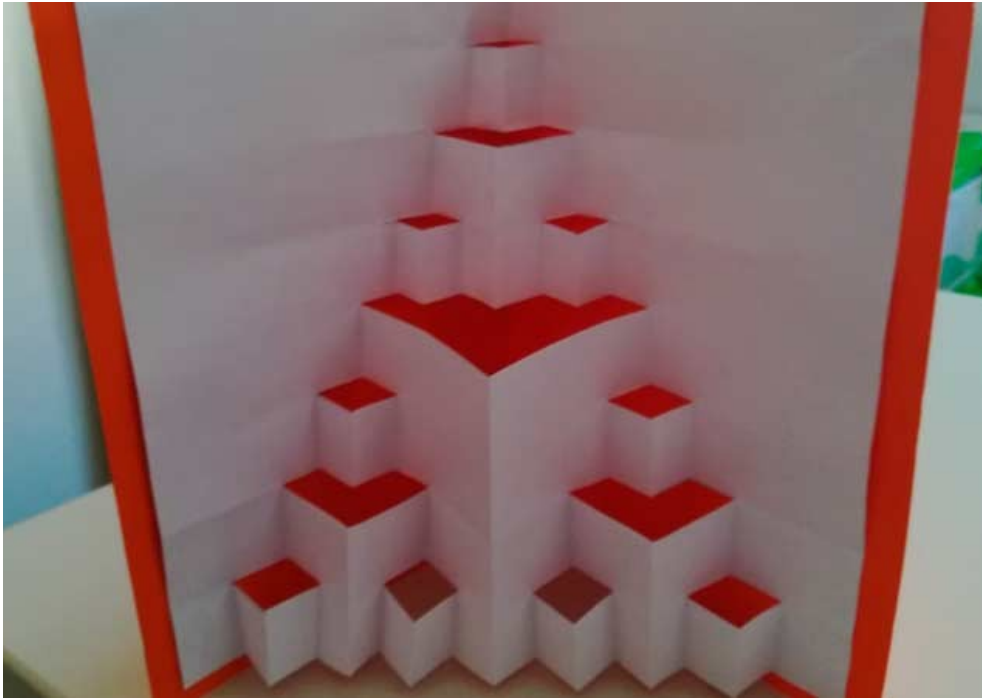
Fill the table

n	Number of island sides	Total perimeter
1	3	3
2	$4 \cdot 3 = 12$	$\left(\frac{1}{3}\right) \cdot (4 \cdot 3)$
3		
4		
5		
6		
n		

Origami Fractals

You must make the same fractals

- Sierpinski Prisms Fractal: <https://goo.su/FtnoJl>



- Cantor Stair Fractal: <https://goo.su/yMZdoH1>

