0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233, 377, 610, 987

## **Investigating real flowers**

## **Ground rules:**

- Stay with your class group. Don't wander off and join another class.
- Take care on the roads around school. Always use the crossings and look both ways for traffic yourself. Don't assume someone else is looking.
- Watch your step on uneven ground. Stay away from and do not startle cows.
- You may pick one daisy, do not pick any other flowers.
   Watch out for nettles and brambles. Let your teacher know BEFORE going out if you have a history of experiencing strong allergic reactions to bites or stings.

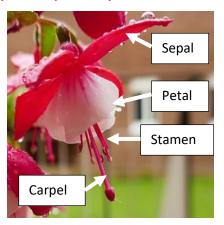


Image by Gini George from Pixabay (fuscia)

Daisy  Petals  Petals	Plant (name or description)	hents, stamens etc.)  How many?  Fibonacci number (Y/N)

How reasonable is it to say that Fibonacci numbers are common in nature?

## The Golden Ratio (1.618 to 3d.p.) in me

	Measurement A (cm)	Measurement B (cm)	A÷B (to 2dp)	Between 1.5 and 1.7?
	Elbow to fingertip	Shoulder to elbow		
	Wrist to elbow	Fingertips to wrist		
	Bottom of fingers to wrist	Length of longest finger		
	Top two finger joints together	Bottom joint of finger (nearest hand)		
58 59 8E 8E 8E 8E	Top of head to bottom of fingertips	Bottom of fingertips to bottom of feet		

	Measurement A (cm)	Measurement B (cm)	A÷B (to 2dp)	Between 1.5 and 1.7?
	Eyebrows to bottom of chin	Top of head to eyebrows		
	Bottom of chin to mouth	Mouth to bottom of nose		
The second secon	Width of two front teeth	Height of front teeth		
The property of the property o	Width of one front tooth	Width of next tooth along		

 $Images\ from: \ \underline{https://www.slideshare.net/vayappurathu/fibonacci-sequence-and-golden-ratio-10748409}\ ,\ \underline{https://golden-ratio.club/golden-ratio-in-people,}\ \underline{https://www.youtube.com/watch?v=c8ccsE\_IumM}$ 

Reflecting on my inquiry

Something interesting I learnt in this topic (or maybe something that surprised me)	
What I thought I did well	
What I thought I could do better	
Something I would have liked to find out more about if we had more time	
How did I feel about doing extended inquiry in Maths? [Did it change the way I relate to Maths? Was it exciting/ interesting/ uncomfortable/liberating/ boring/ challenging etc]	

FOSIL: Learning by finding out for yourself.

Y7 Fibonacci Maths inquiry (graphic organisers) by The FOSIL Group is licensed under CC BY-NC-SA 4.0



Name Class Date

Reflecting on my inquiry

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