

1. Fibonacci sequence

The Fibonacci sequence is defined through the recurrence relation $F_n = F_{\{n-1\}} + F_{\{n-2\}}$. It can also be expressed in *closed form*:

$$F_n = \left\lfloor \frac{1}{\sqrt{5}} \phi^n \right\rfloor, \quad \phi = \frac{1 + \sqrt{5}}{2}$$

The first 8 numbers of the sequence are:

F_1	F_2	F_3	F_4	F_5	F_6	F_7	F_8
1	1	2	3	5	8	13	21

	Exam 1	Exam 2	Exam 3
John	N/A	A	N/A
Mary	N/A	A	A
Robert	B	A	B