

Leonardo da Pisa



Fibonacci

- ❑ Was born Leonardo da Pisa around 1170
- ❑ Birthplace: Pisa (modern day Italy)
- ❑ Mother: Alessandra, died when he was young
- ❑ Raised by father Guglielmo who's nickname was Bonaccio

Liber Abaci

- ❑ Shift from Roman Numerals to Arabic Numeration
- ❑ Account of Algebra
- ❑ Emperor Frederick II



The Fibonacci Sequence

- What Fibonacci is most famous for today
- Found inside *Liber Abaci*

“How many pairs of rabbits will be produced in a year, beginning with a single pair, if in every month each pair bears a new pair which becomes productive from the second month on?”

1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233

Sequence

□ Appears in Nature

- Male Bees

- <http://britton.disted.camosun.bc.ca/fibslide/jbfibslide.htm>

□ Mathematical Properties

Other Works

- *Practica geometriae* (The Practice of Geometry)
- *Liber quadratorum* (The Book of Squares)
- *Flos*
- Lost Works
 - *Di minor guisa*
 - *Commentary on Book X of Euclid's Elements*

Death of Fibonacci

- Work Ignored
- Died in 1250

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