

# FIBONAČI SKAITĻI UN ZELTA ŠĶĒLUMS DABĀ

**The Fibonacci Sequence Explained**

$1 + 1 = 2$   
 $1 + 2 = 3$   
 $2 + 3 = 5$   
 $3 + 5 = 8$   
 $5 + 8 = 13$   
 $8 + 13 = 21$

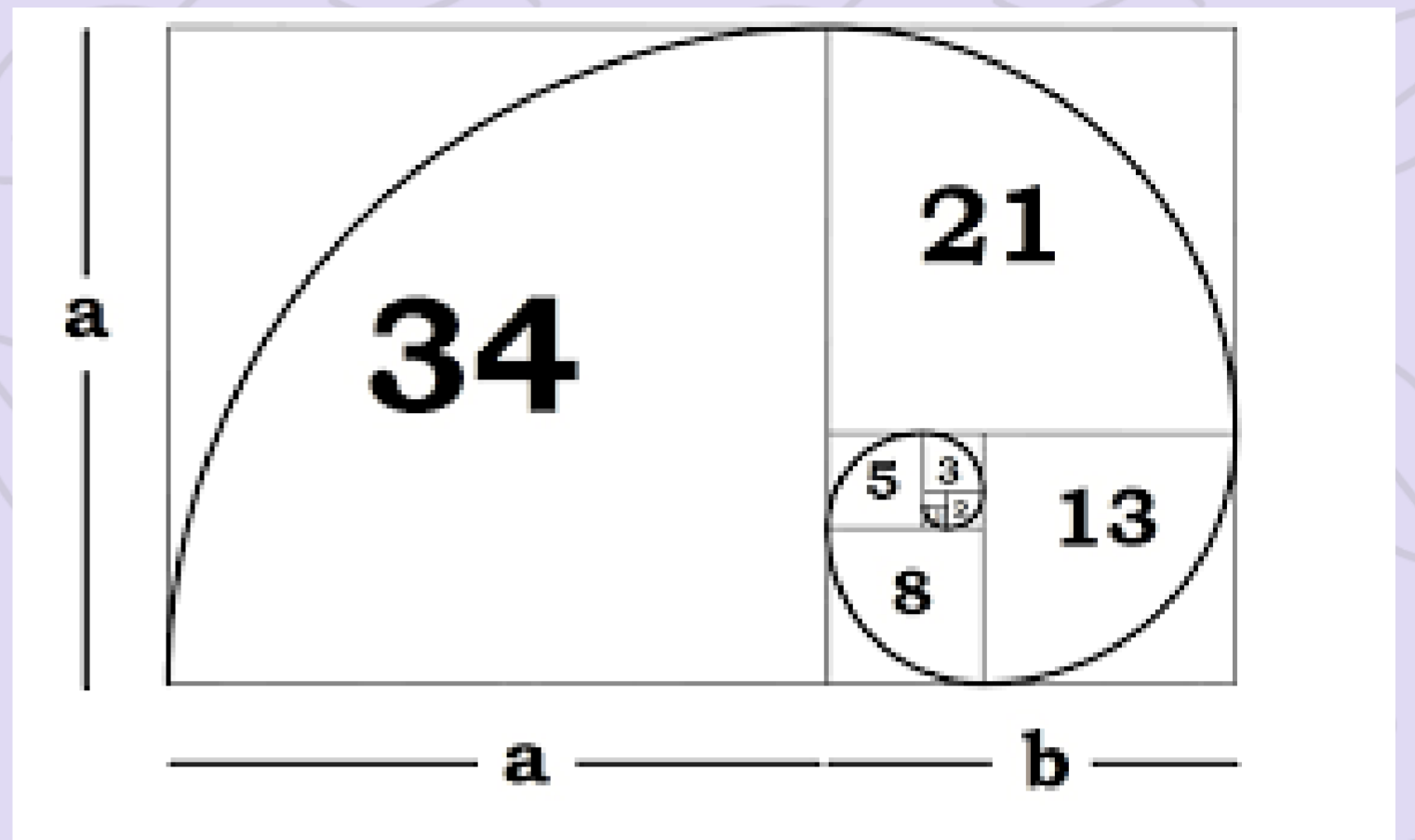
$1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, F_{n-1+n-2}$

$n-1 = 89 \ \& \ n-2 = 55$

So, for the next digit in the sequence, simply add the two preceding terms.

$F_{n-1+n-2} = 144$

$F = (n-1) + (n-2) = 89 + 55 = 144$



**Zelta griezum (šķēlums) jeb dievišķā proporcija**

$$\frac{a+b}{a} = \frac{a}{b} = \varphi = 1.6180339887\dots$$
