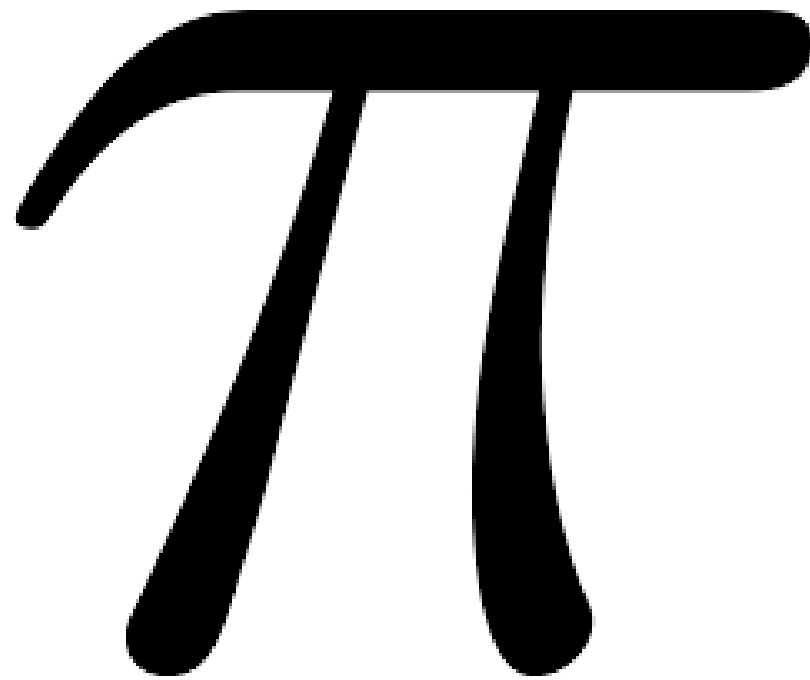


Φ

Φ



π

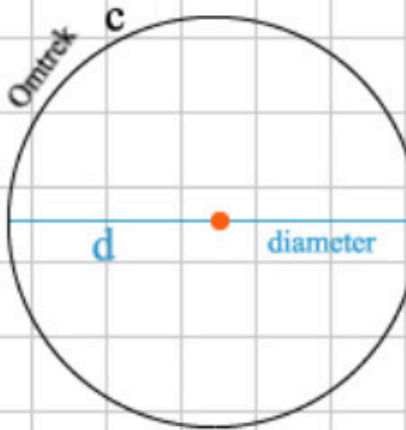
Griekse Alphabet

UPPERCASE	LOWERCASE	NAME	UPPERCASE	LOWERCASE	NAME
<i>A</i>	<i>α</i>	Alpha	<i>N</i>	<i>ν</i>	Nu
<i>B</i>	<i>β</i>	Beta	<i>Ξ</i>	<i>ξ</i>	Ksi
<i>Γ</i>	<i>γ</i>	Gamma	<i>Ο</i>	<i>ο</i>	Omicron
<i>Δ</i>	<i>δ</i>	Delta	<i>Π</i>	<i>π</i>	Pi
<i>E</i>	<i>ε</i>	Epsilon	<i>Ρ</i>	<i>ρ</i>	Rho
<i>Z</i>	<i>ζ</i>	Zeta	<i>Σ</i>	<i>σ</i>	Sigma
<i>H</i>	<i>η</i>	Eta	<i>T</i>	<i>τ</i>	Tau
<i>Θ</i>	<i>θ</i>	Theta	<i>Υ</i>	<i>υ</i>	Upsilon
<i>I</i>	<i>ι</i>	Iota	<i>Φ</i>	<i>φ</i>	Phi
<i>K</i>	<i>κ</i>	Kappa	<i>X</i>	<i>χ</i>	Chi
<i>Λ</i>	<i>λ</i>	Lambda	<i>Ψ</i>	<i>ψ</i>	Psi
<i>M</i>	<i>μ</i>	Mu	<i>Ω</i>	<i>ω</i>	Omega

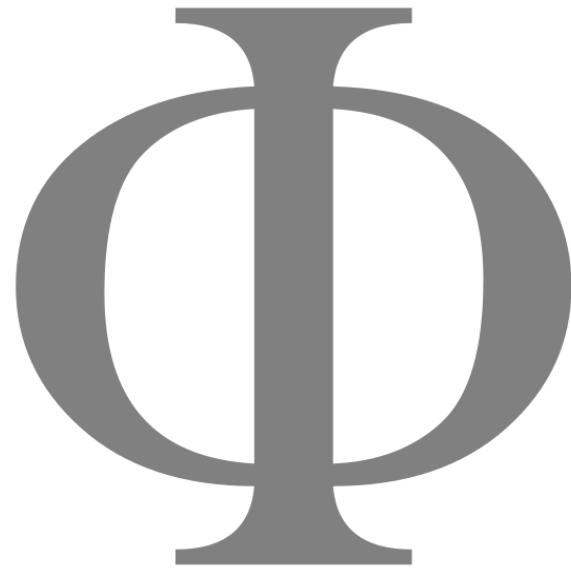
$\Pi < - > \Phi$

UPPERCASE	LOWERCASE	NAME	UPPERCASE	LOWERCASE	NAME
<i>A</i>	<i>α</i>	Alpha	<i>N</i>	<i>ν</i>	Nu
<i>B</i>	<i>β</i>	Beta	<i>Ξ</i>	<i>ξ</i>	Ksi
<i>Γ</i>	<i>γ</i>	Gamma	<i>Ο</i>	<i>ο</i>	Omicron
<i>Δ</i>	<i>δ</i>	Delta	<i>Π</i>	<i>π</i>	Pi
<i>E</i>	<i>ε</i>	Epsilon	<i>Ρ</i>	<i>ρ</i>	Rho
<i>Z</i>	<i>ζ</i>	Zeta	<i>Σ</i>	<i>σ</i>	Sigma
<i>H</i>	<i>η</i>	Eta	<i>T</i>	<i>τ</i>	Tau
<i>Θ</i>	<i>θ</i>	Theta	<i>Υ</i>	<i>υ</i>	Upsilon
<i>I</i>	<i>ι</i>	Iota	<i>Φ</i>	<i>φ</i>	Phi
<i>K</i>	<i>κ</i>	Kappa	<i>Χ</i>	<i>χ</i>	Chi
<i>Λ</i>	<i>λ</i>	Lambda	<i>Ψ</i>	<i>ψ</i>	Psi
<i>M</i>	<i>μ</i>	Mu	<i>Ω</i>	<i>ω</i>	Omega

Archimedes (287-212 v.Chr.)

<p>1.</p> <p>π</p> <p>3,14159265359</p>	<p>2.</p>  <p>Omtrek c</p> <p>d diameter</p>	<p>3.</p> $\text{Pi} = \frac{\text{Omtrek}}{\text{Diameter}} = \frac{c}{d}$
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Leonardo Fibonacci (1170-1250 n.Chr.)



Phi = 1,618033

De reeks van Fibonacci



$$1+1=2$$

$$2+3=5$$

$$3+5=8$$

$$5+8=13$$

$$8+13=21$$

enz.

1-2-3-5-8-13-21-34-55-89-144-233-377-610.....

De reeks van Fibonacci



$$5:3=1,66$$

$$8:5=1,6$$

$$13:8=1,62$$

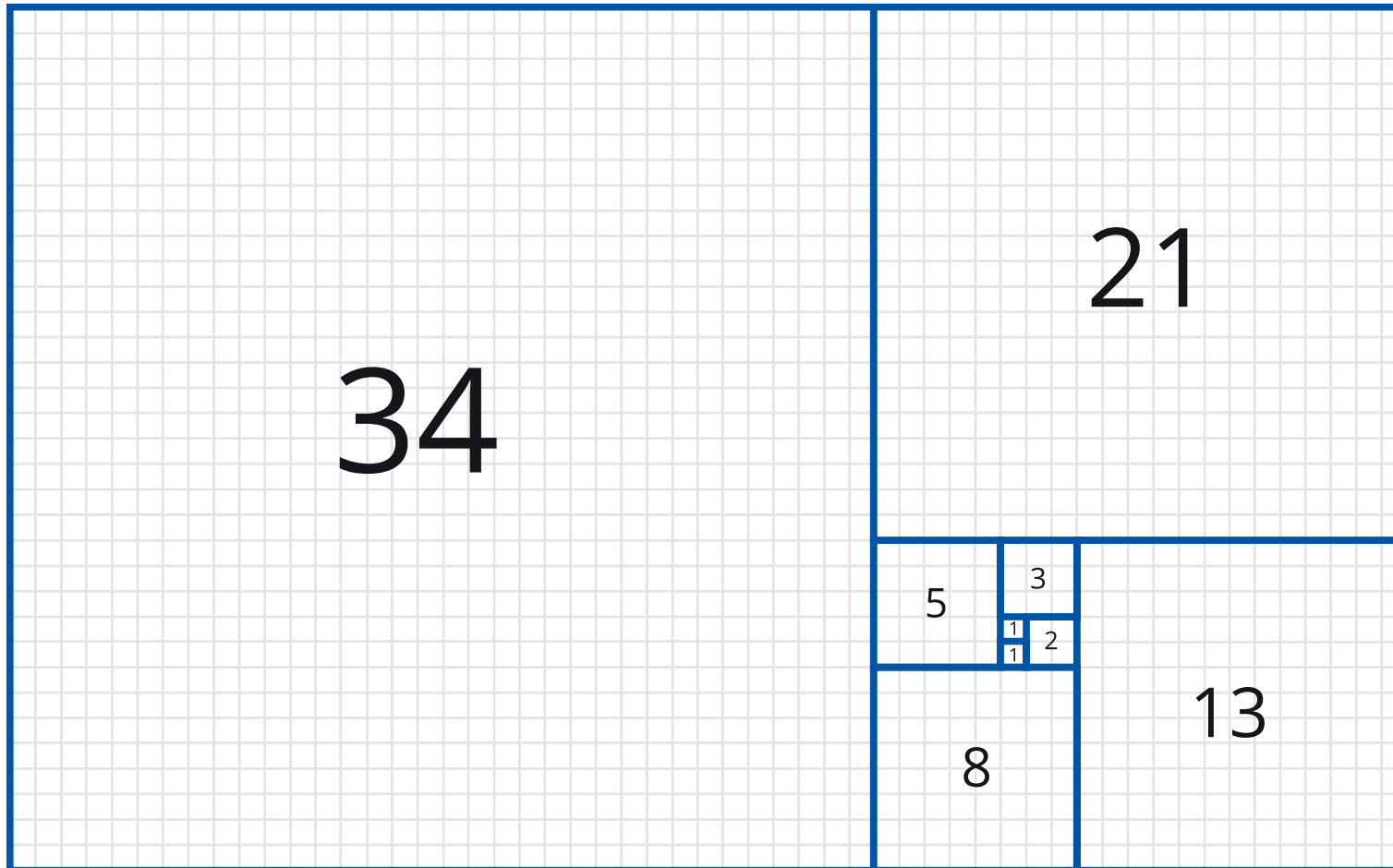
$$55:34=1,61$$

$$144:89=1,61$$

1-2-3-5-8-13-21-34-55-89-144-233-377-610....

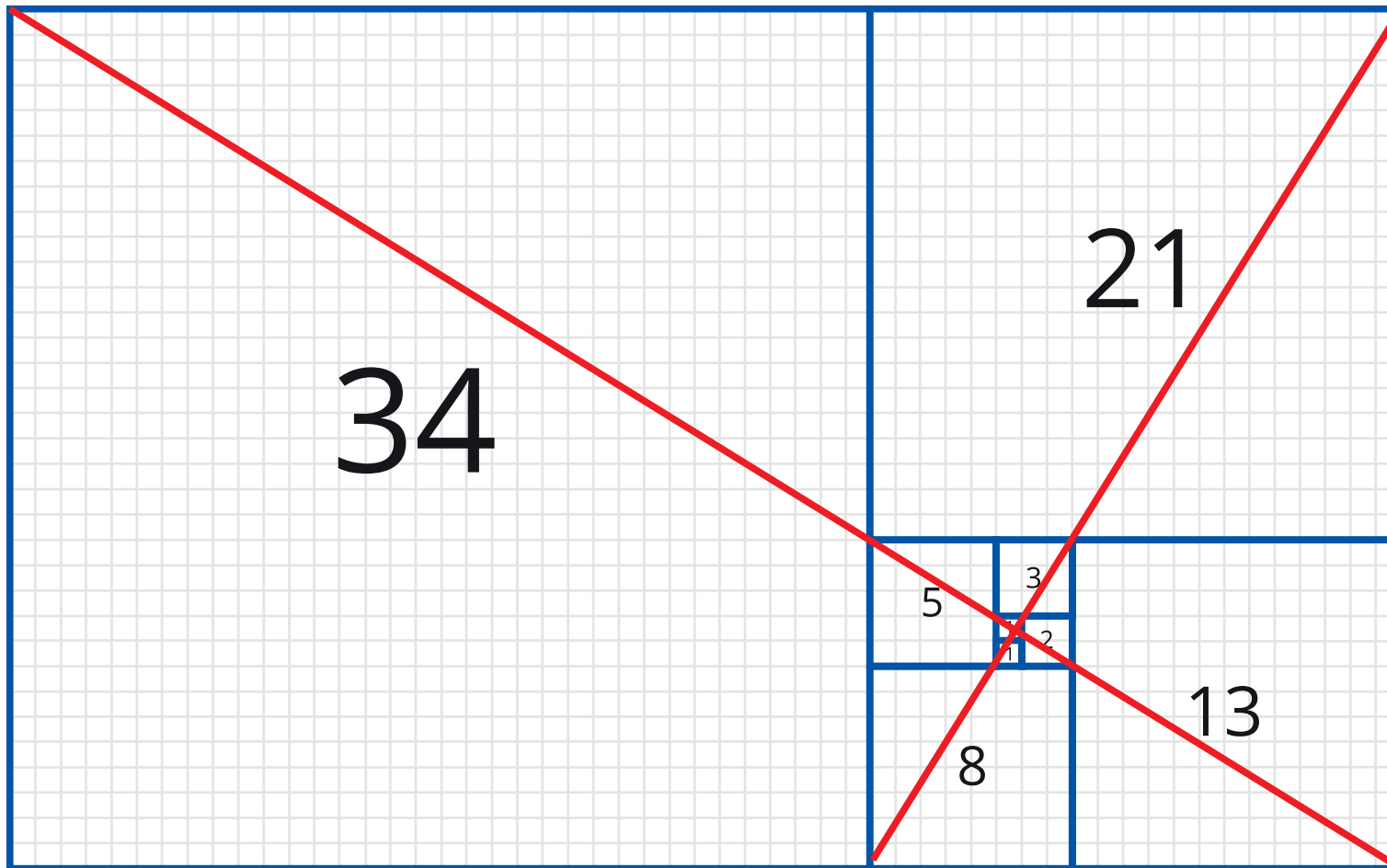
$$Phi = 1,618033$$

Verhouding



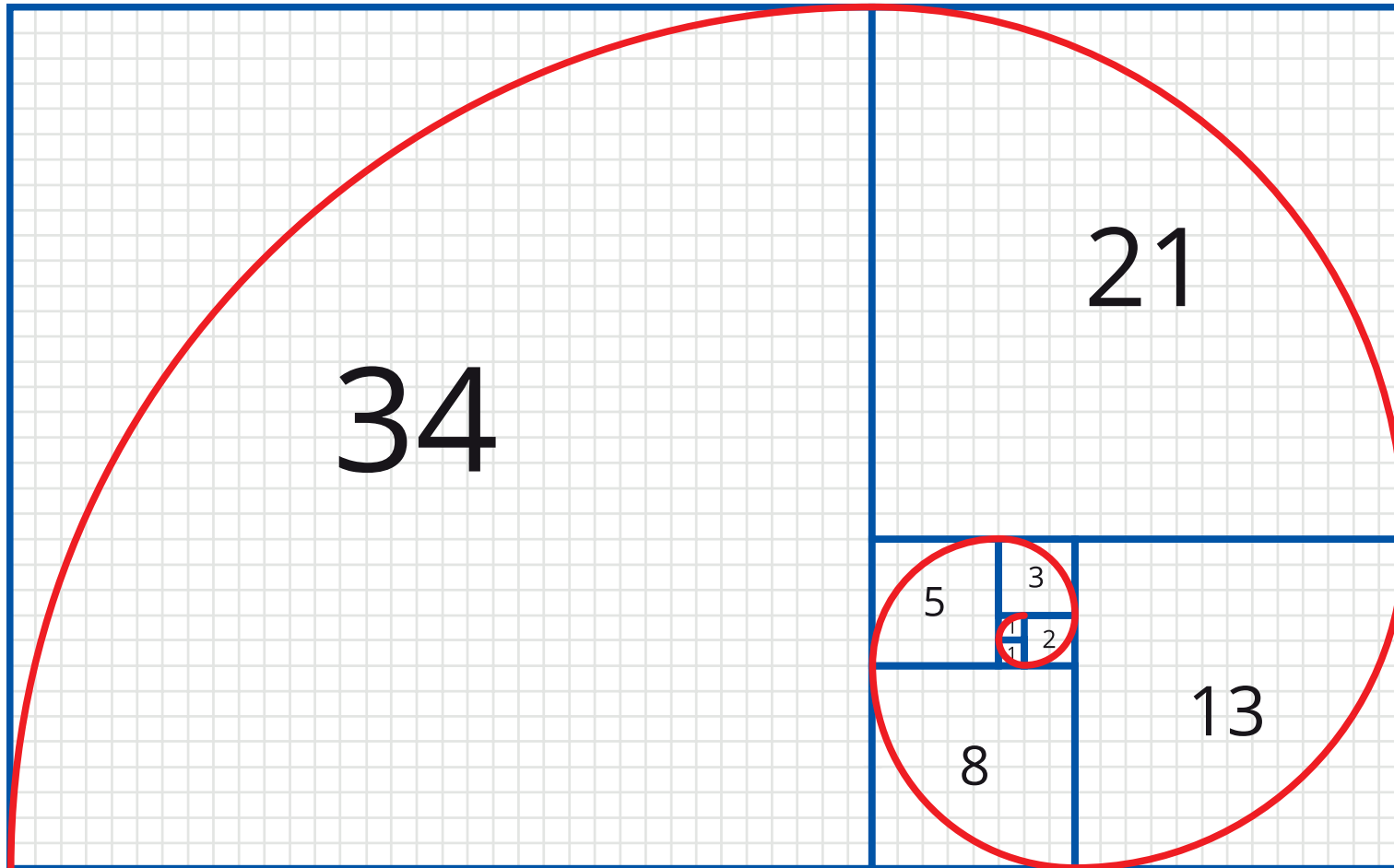
1-2-3-5-8-13-21-34-55-89-144-233-377-610...

Symetrie



1-2-3-5-8-13-21-34-55-89-144-233-377-610...

Spiraal



1-2-3-5-8-13-21-34-55-89-144-233-377-610....

De Gulden Snee

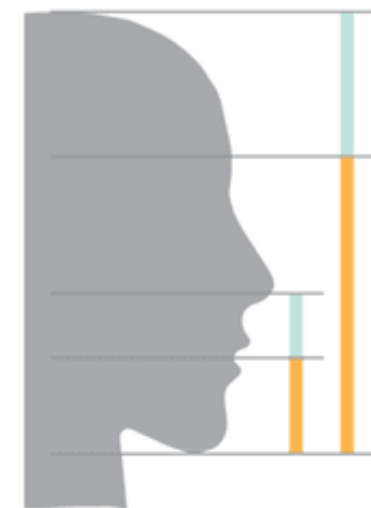
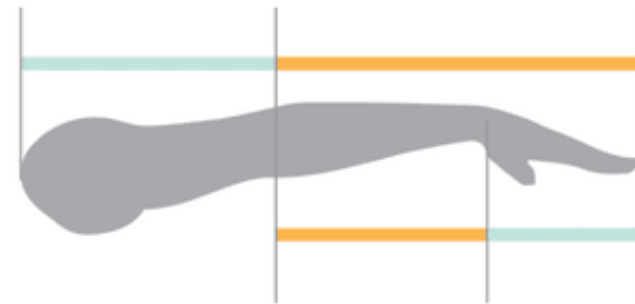
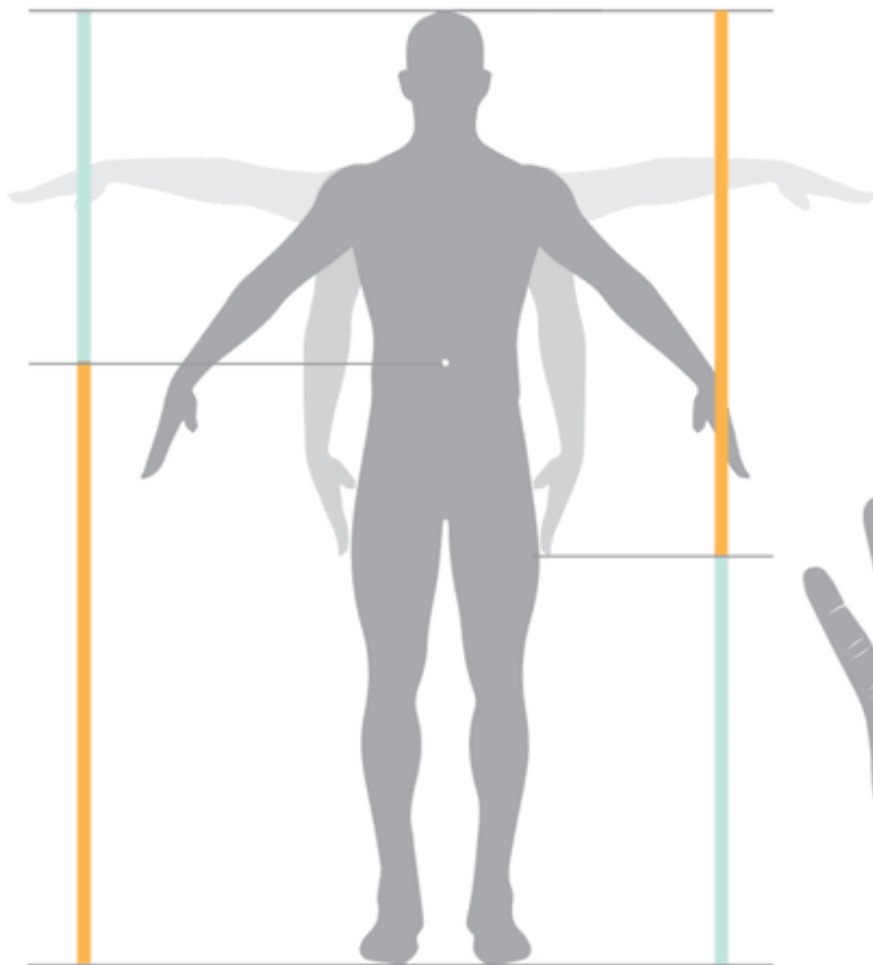
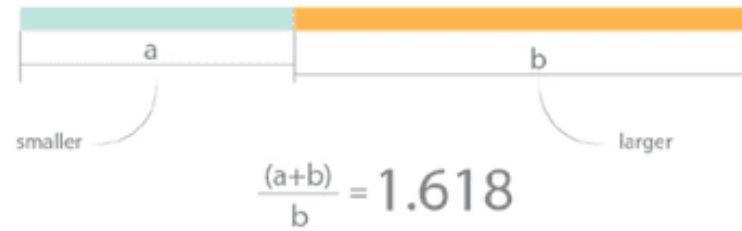
1-2-3-5-8-13-21-34-55-89-144-233-377-610....

Phi = 1,618033



$$\frac{b}{a} = \frac{a+b}{b} = \phi \approx 1,618$$

DE GULDEN SNEDE - menselijk lichaam





The diagram shows a vertical DNA double helix. A vertical double-headed arrow on the left indicates a length of 34. A horizontal double-headed arrow at the bottom indicates a width of 21. The DNA strands are colored in shades of blue and red.

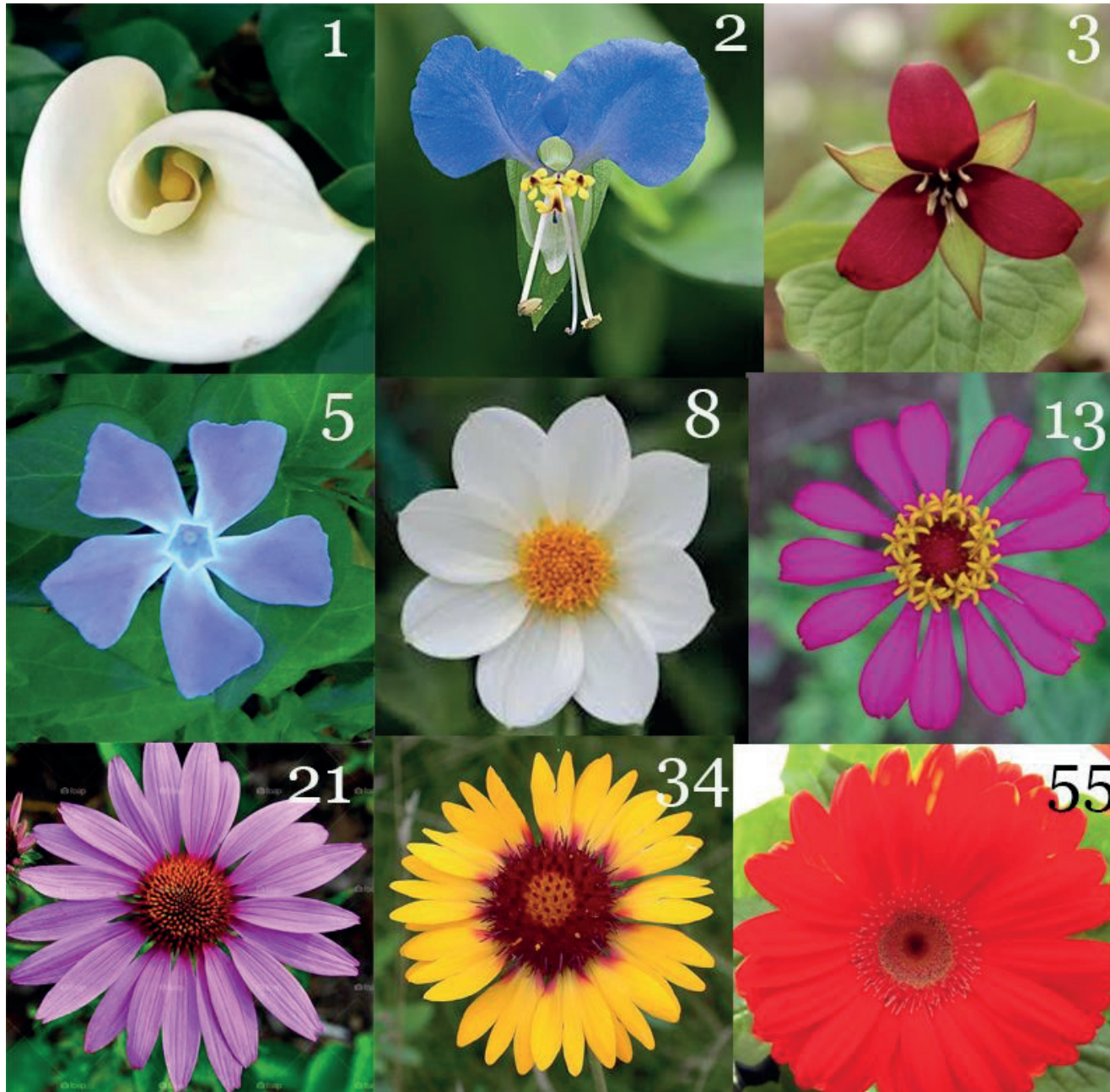
The Golden Ratio in DNA

$$\frac{\sim 34 \text{ angstroms long}}{\sim 21 \text{ angstroms wide}} = 1,618$$

(for each full cycle of its double helix spiral)

THESEIONS

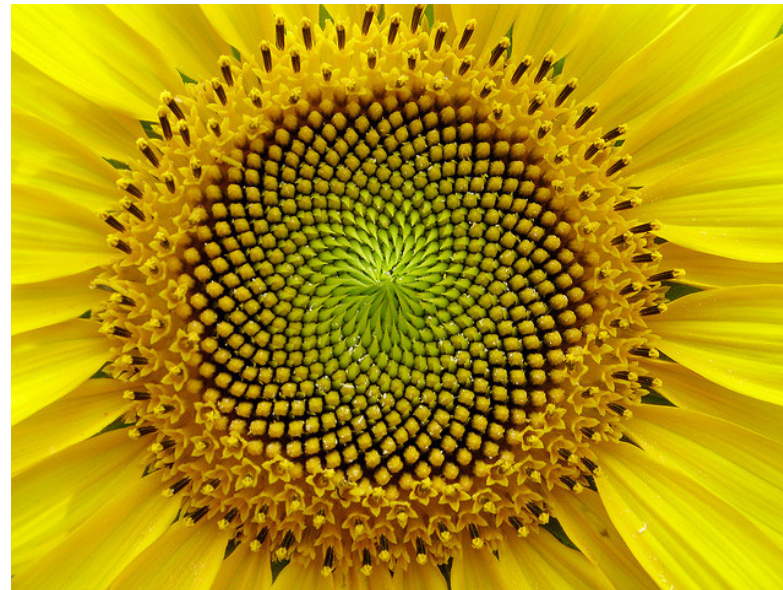
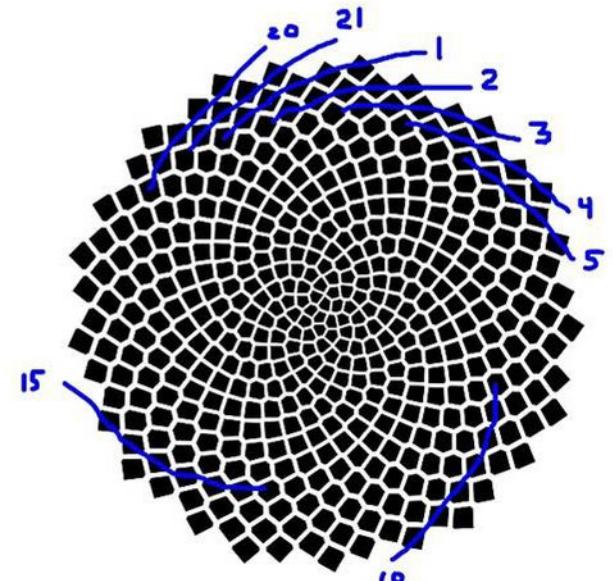
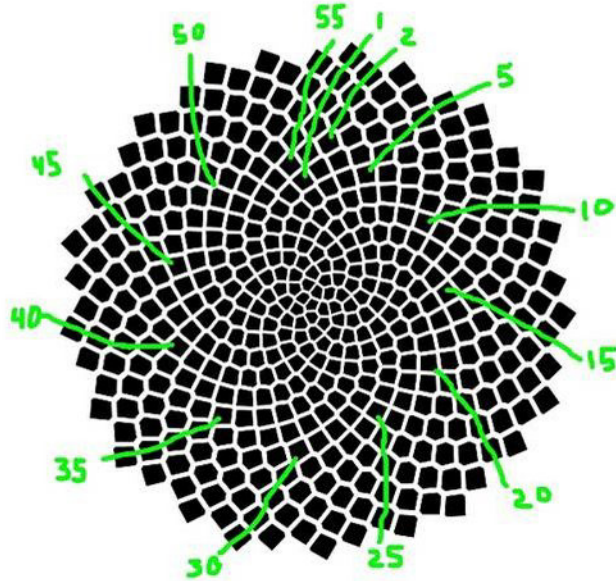
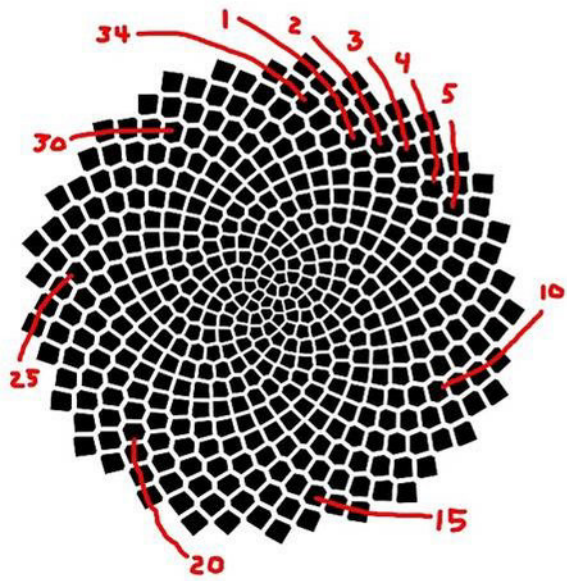
DE GULDEN SNEDE - bloemen



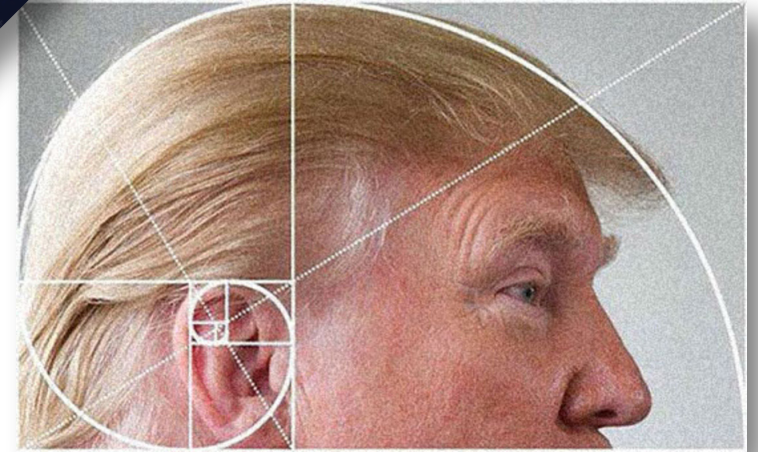
Spiraal Schepping



Symmetrie Zonnebloem



Spiraal Schepping



Ark van Noach
300 el lang,
50 el breed en 30 el hoog

$$50:30 = 1,66$$

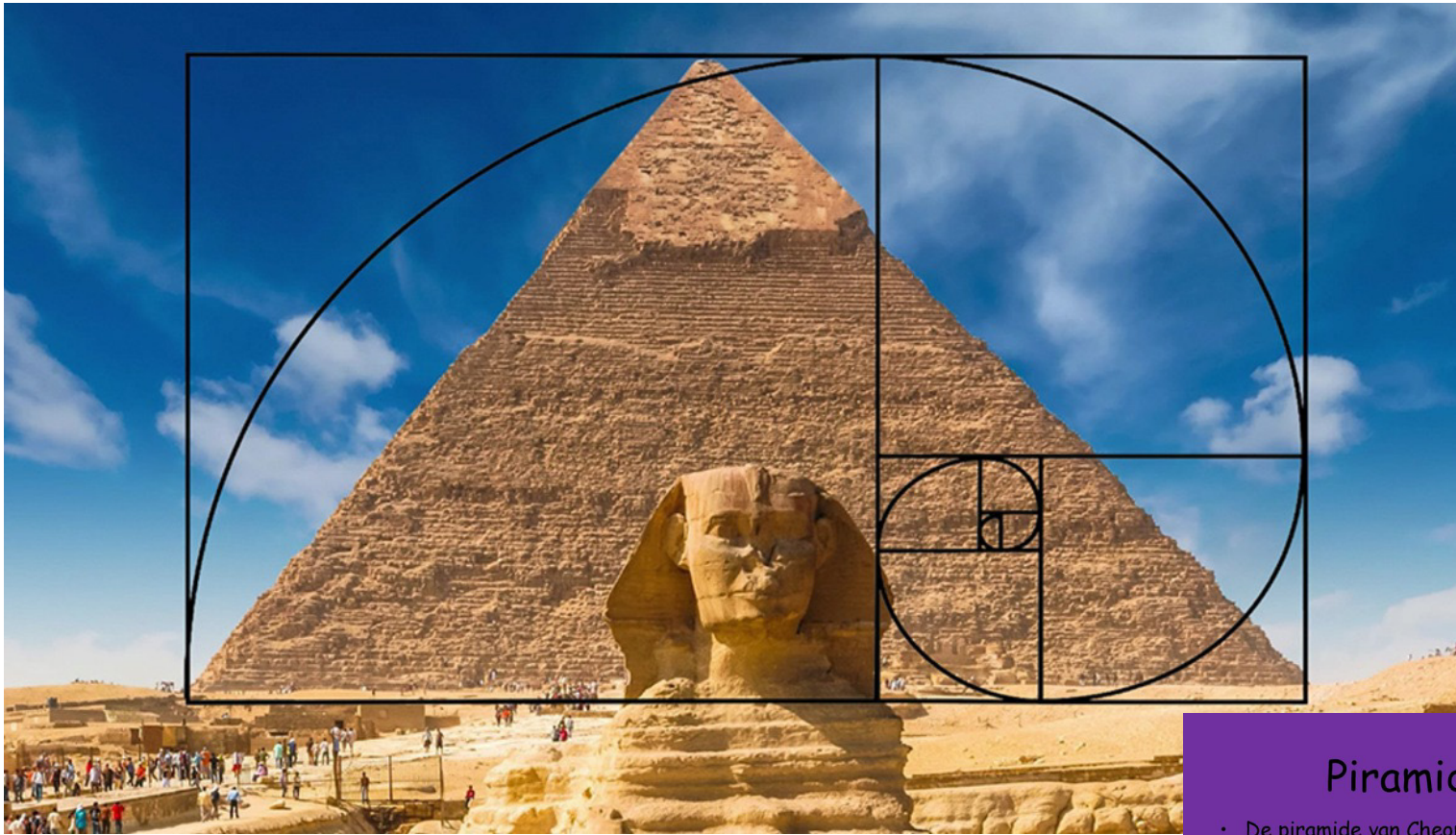


Ark des aerbonds
De afmetingen waren
2,5 x 1,5 x 1,5 el

$$2,5 : 1,5 = 1,66$$

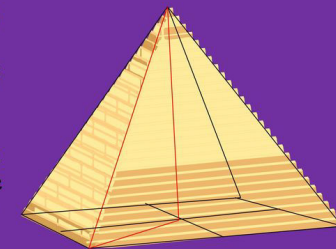


Gulden Snede - Pyramide van Cheops

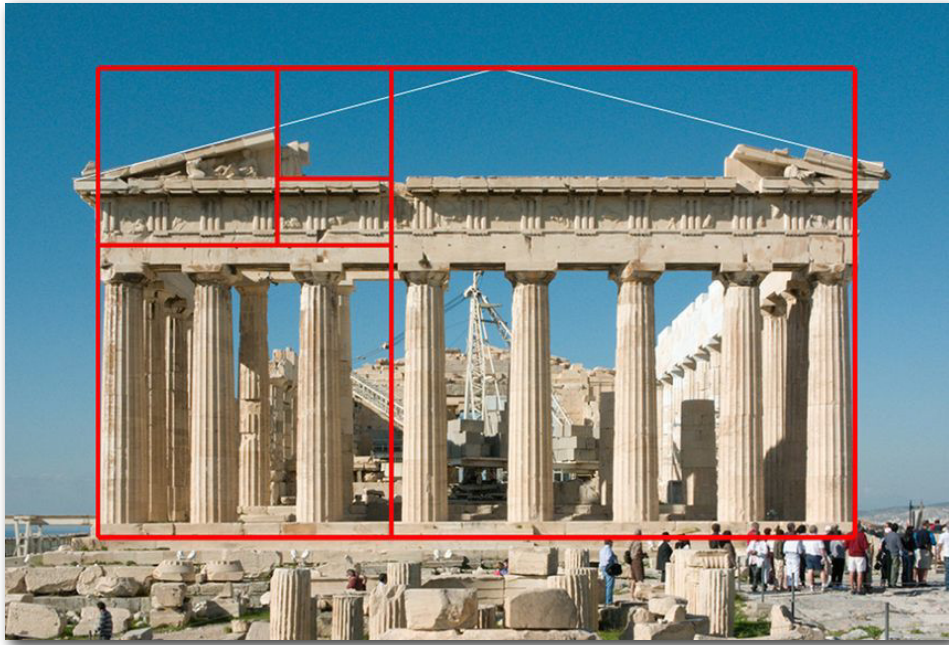


Piramide van cheops.

- De piramide van Cheops is 7.391,532943 Piramide Inch hoog dat is = 187,94 meter.
- Als je dat getal hebt hoeft je nog maar een klein sommetje uit te rekenen om aan de gulden snede te komen: je moet de schuine zijde, delen door de helft van één basiszijde:
Gulden snede = ongeveer $7.391,53 / (9131 / 2) = 1,618$



Gulden snede - Architectuur



Parthenon op de Akropolis



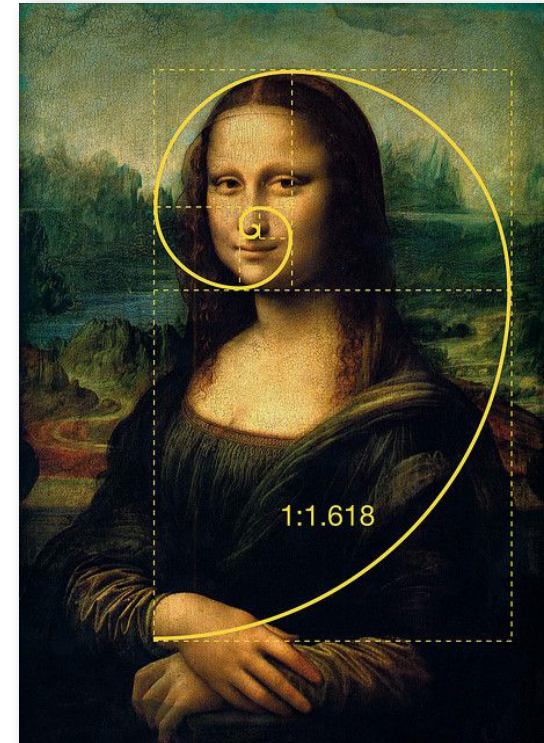
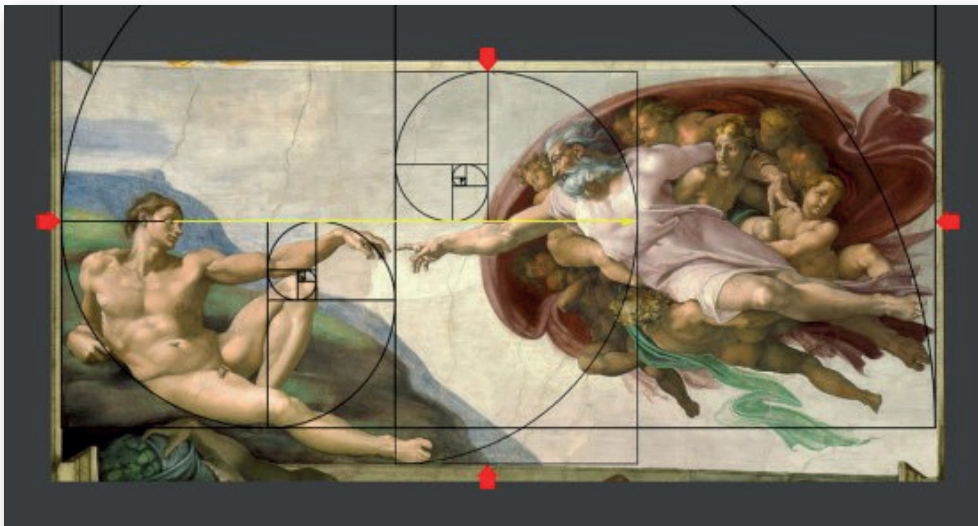
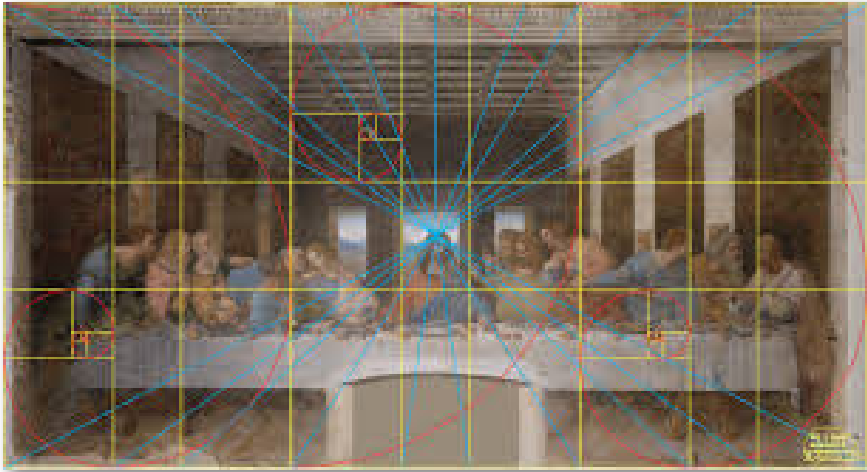
Tajmaha India



Kunst - Leonardo da Vinci

1452 - 1519

Leonardo Fibonacci (1170-1250 n.Chr.)



*papierformaat:
ca. verhouding Gulden Snede*

A1

A2

A3

A4

Goddelijke Symmetrie

SYM METRIE = Samen Maat

