

Ein Neuer Gunter

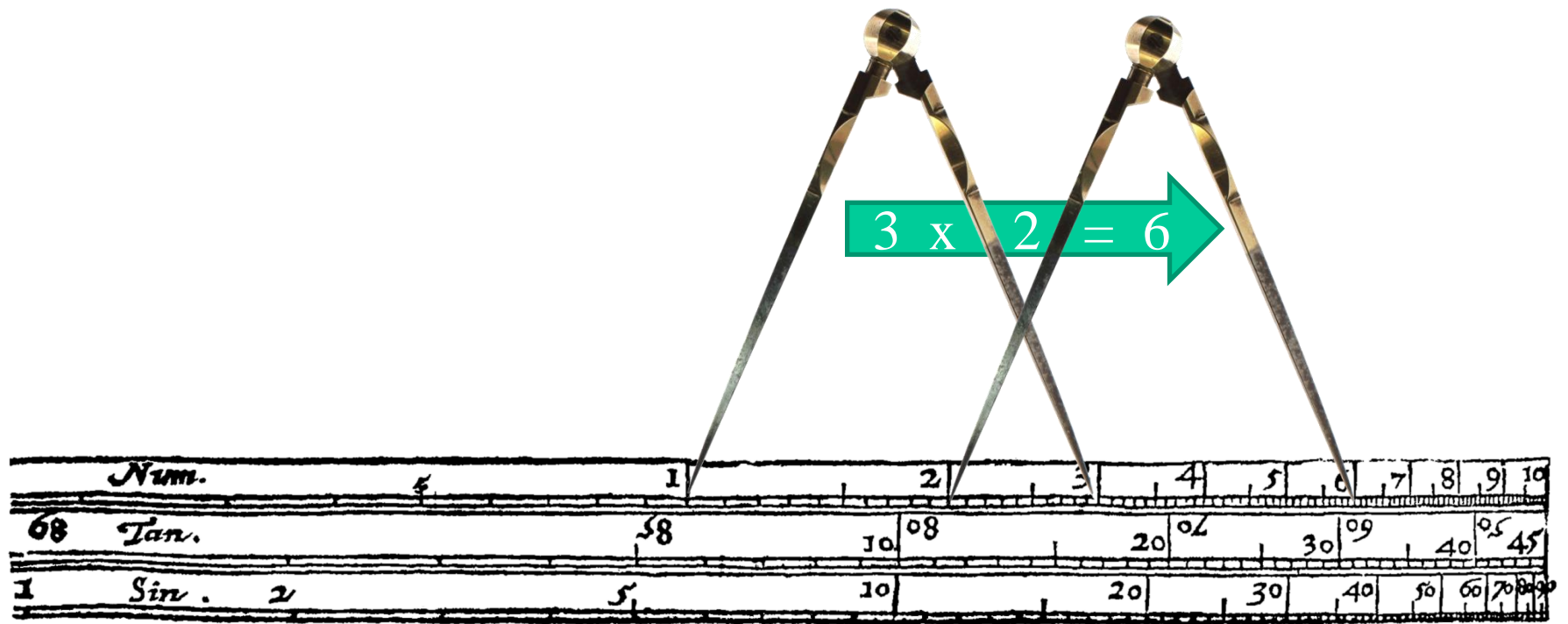
Die Gefaltete Gunter Skala

RST 29 Treffen, Jena - 23 April, 2016

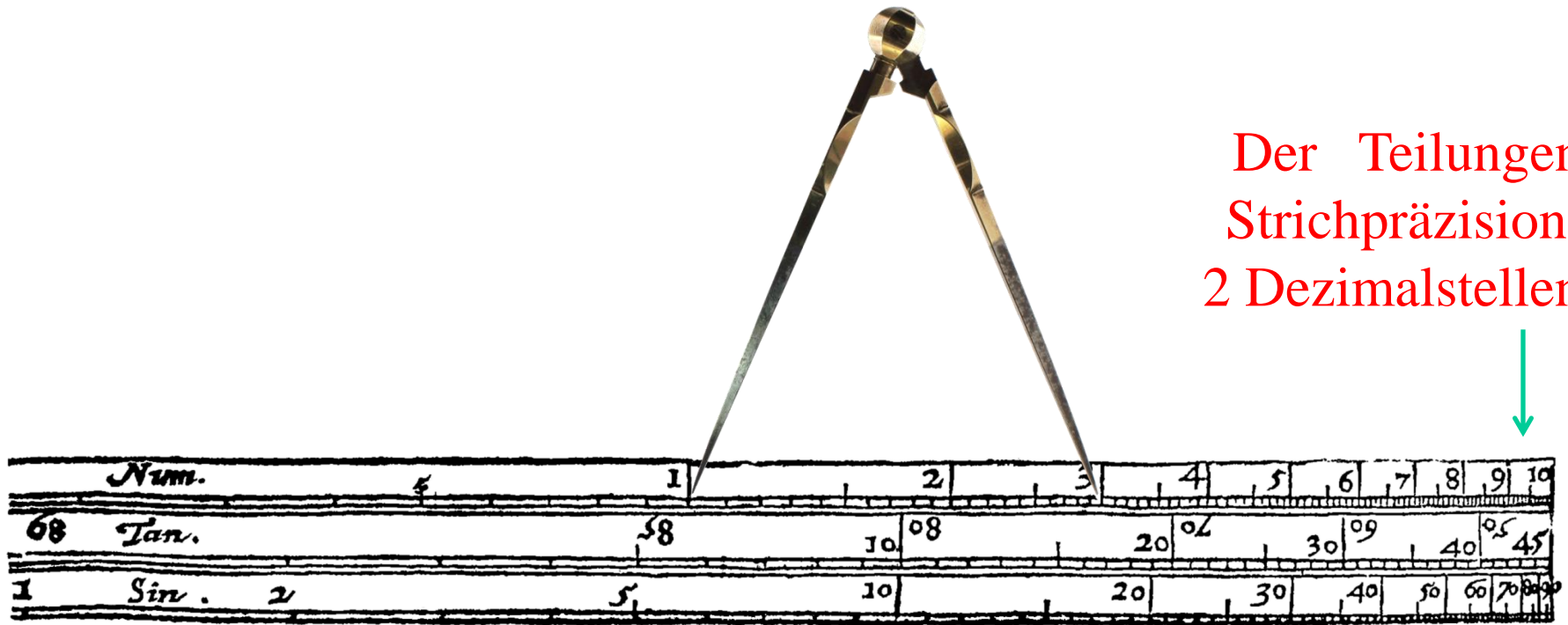
Otto E. van Poelje

(ovpoelje@rekenlinialen.org)





Originalzeichnung der Gunter Skalen, 1624



Originalzeichnung der Gunter Skalen, 1624

C-Skala Länge (1 Dekade)

12.5 cm (Taschen RS)

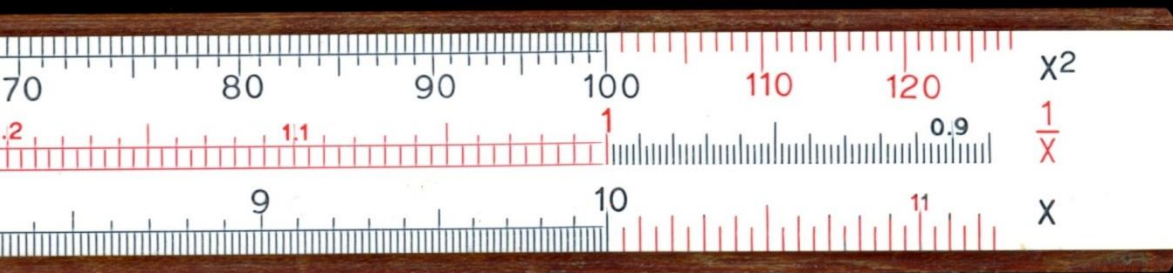


←→ ~ 6 mm

Strichpräzision
in Dezimalen

2

50 cm Büro



←→ 24 mm

2.5

1 extra Dezimal Präzision braucht 10x Längere C-Skala

Gefaltete Skalen

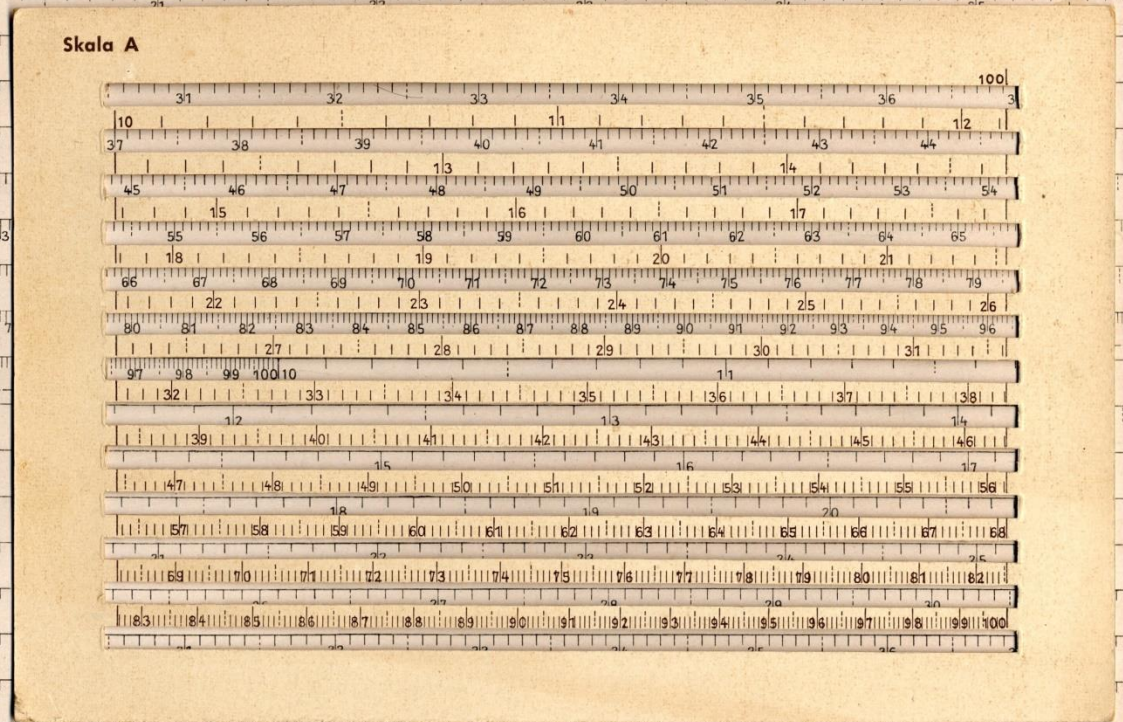
Reka-Rechenapparat

№ 1439

REKA^o Rechentablett 44 x 29 cm

1 Dekade = $12 \times 20^6 = 240$ cm

Skala A



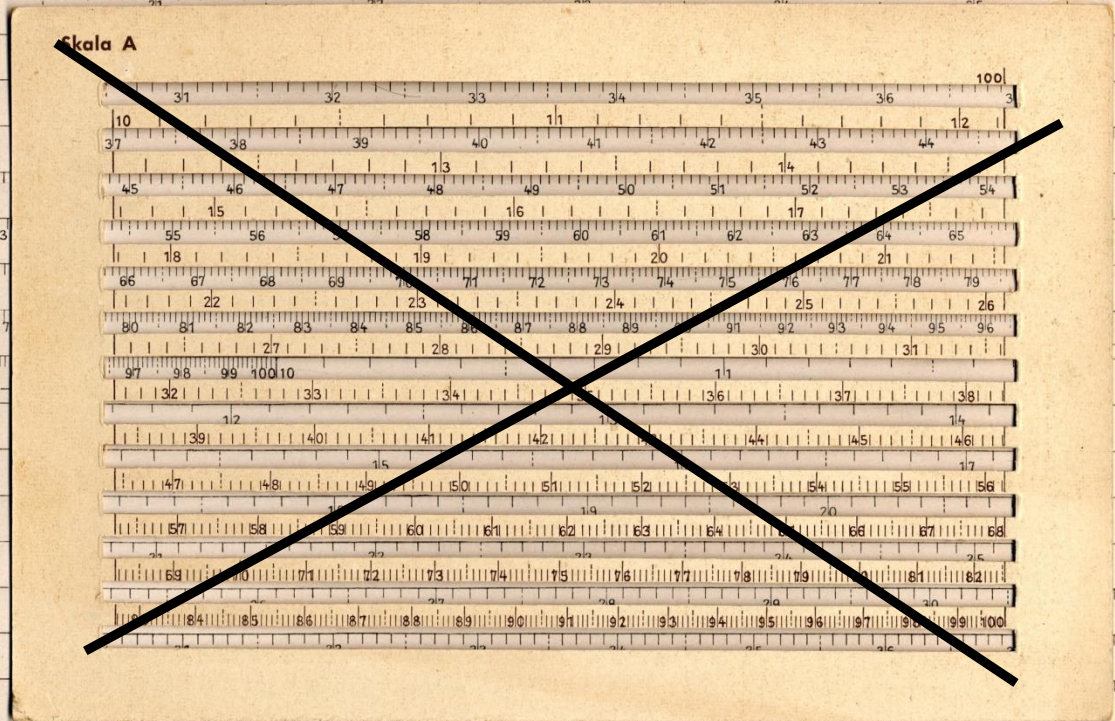
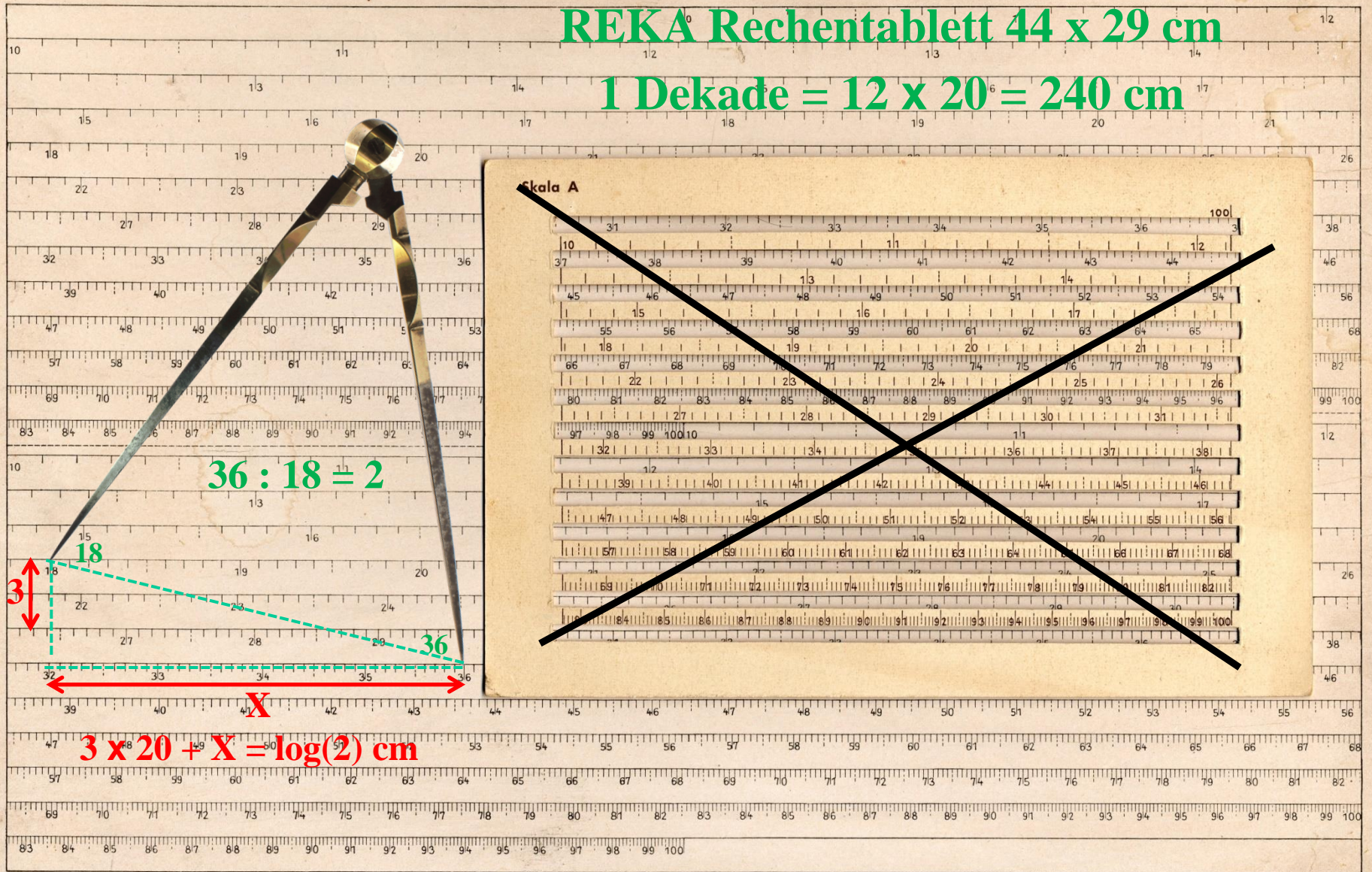
Gefaltete Skalen

Reka-Rechenapparat

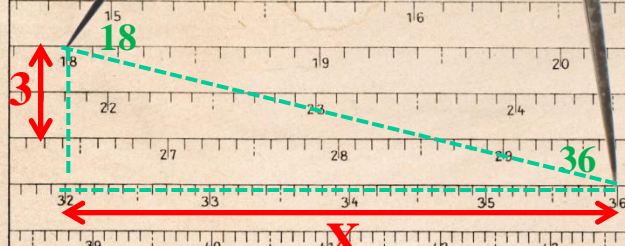
№ 1439

REKA[®] Rechentablett 44 x 29 cm

1 Dekade = $12 \times 20^6 = 240 \text{ cm}$

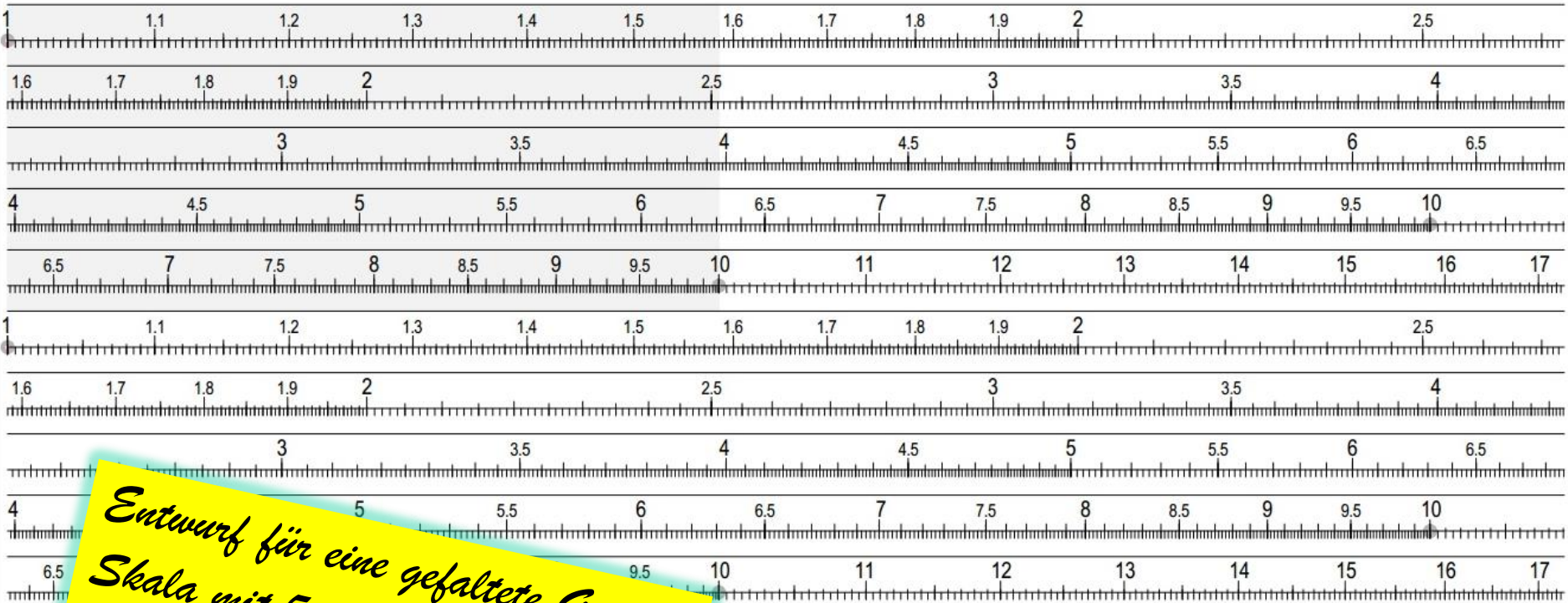


$$36 : 18 = 2$$



$$3 \times 8 + 20 + X = \log(2) \text{ cm}$$

Gunteri Linea Numerorum



*Entwurf für eine gefaltete Gunter
Skala mit 5 x 12 cm Segmenten
(60 cm), Otto & Jürgen, 2011*

Otto de Pullo delineavit
Iurgen Hoefeldius sculpsit
Civitas Batavorum A.D. 2011

The International Slide Rule Group

Restricted Group, 1589 members

[Conversations](#) [Photos](#) [Files](#) [More](#) ▾

[Membership](#) ▾



View ▾

Reply

Read more

From **John Kay**

[Which one would you choose?](#)

23 Feb

[Which one would you choose?](#)

21 Feb

[Use of L scale](#)

02 Ju

18056 **Folded Gunter Rules**



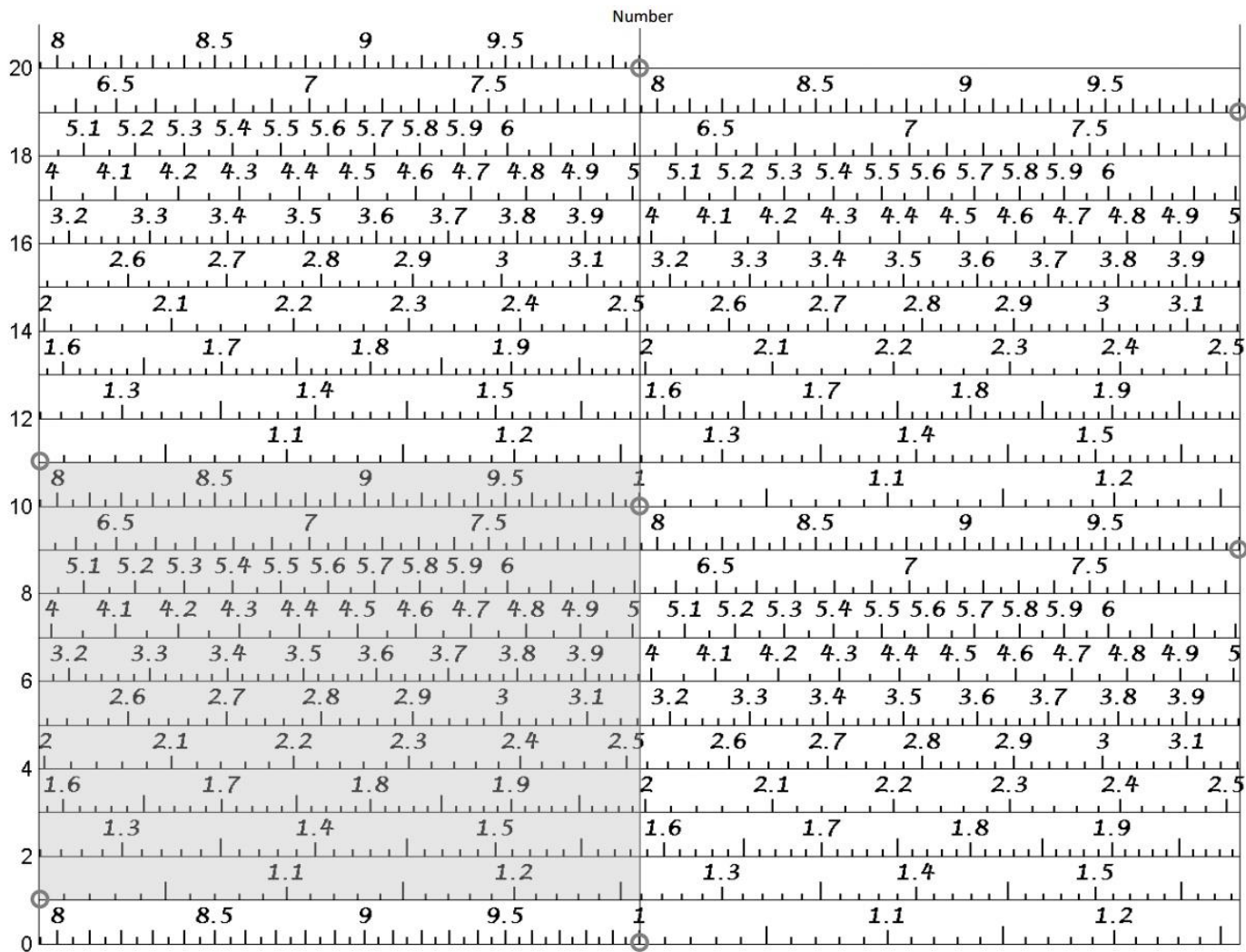
John Kay

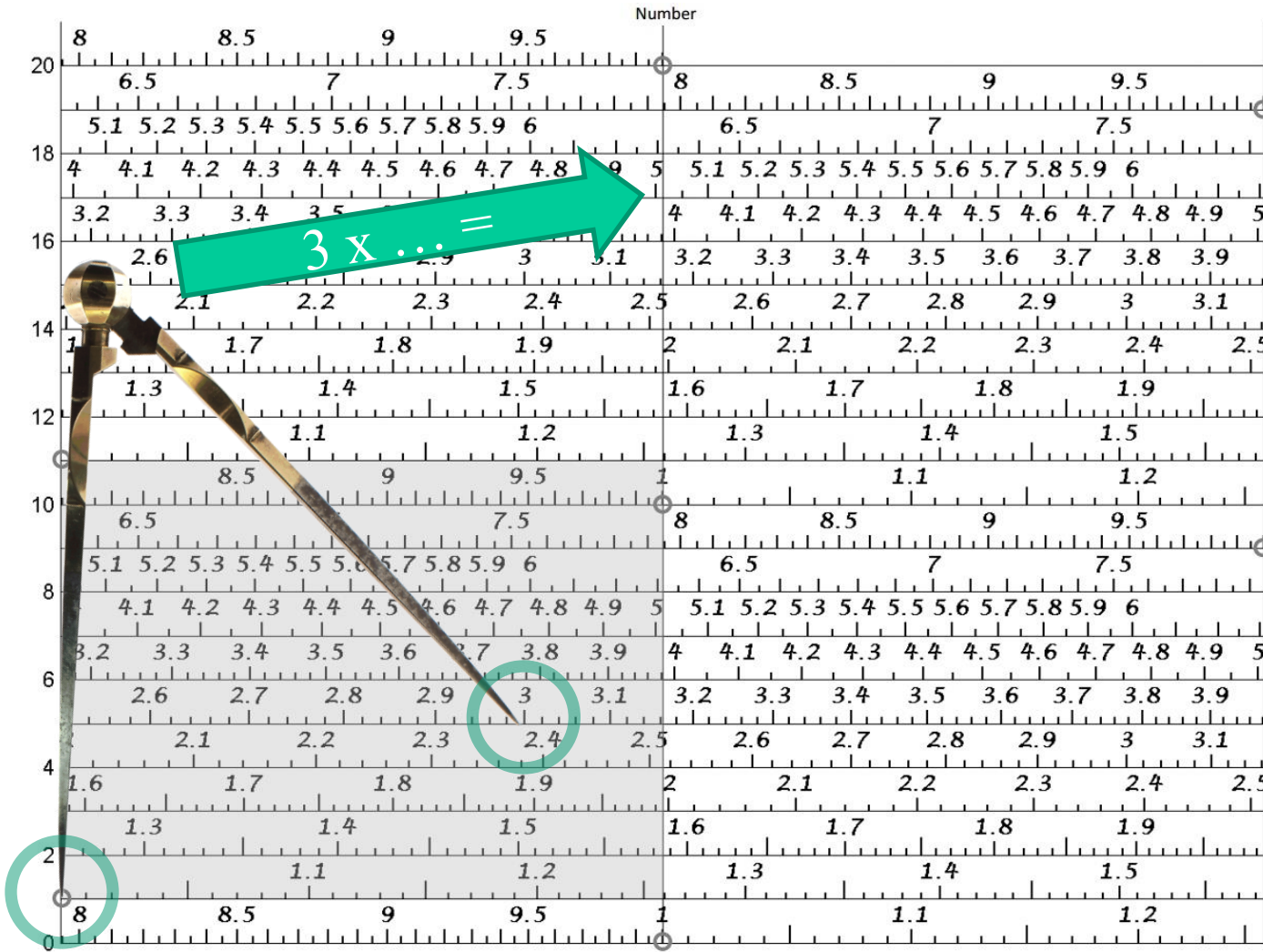
Mar 11, 2003

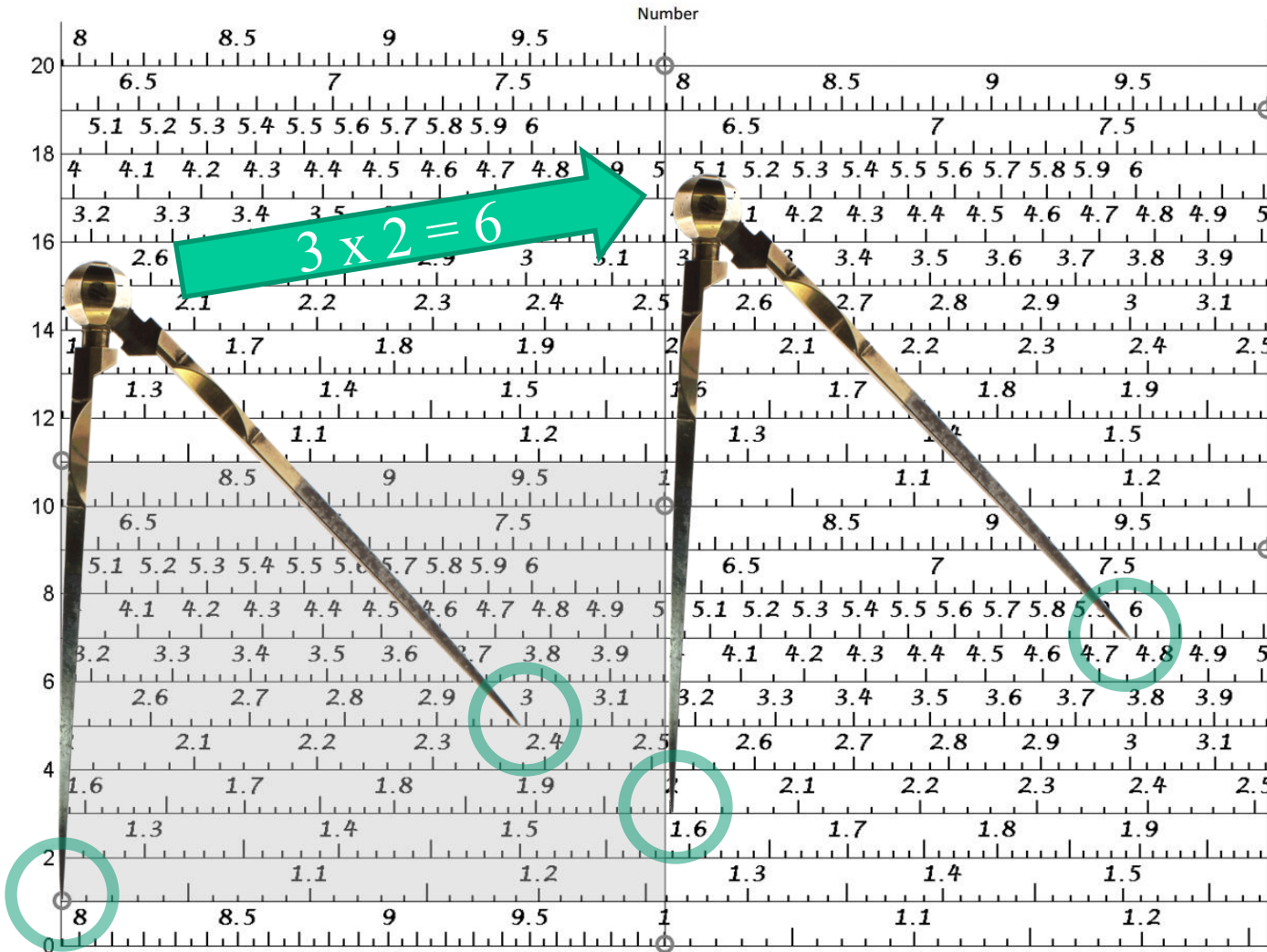
All,

I would like to bring you all up to date on my Gunter project. This began a month ago as an exploration into "fantasy rules", where I was trying to achieve the extended scale lengths of helical and spiral rules in a useful planar format. My first attempt was the folded Gunter scale, which has two cycles of a logarithmic scale, folded 20:1, with a partial cycle replication for completeness. This results in a 40" long Gunter scale that prints on a piece of 8x10 paper, which is manipulated with a pair of dividers. It was also pointed out by Andrew Nikitin that with a straight line drawn on a

John Kay's 2003 Entwurf für eine gefaltete Gunter Skala mit 10 x 11 cm Segmenten (110 cm)







John Kay's Sammlung Gefalteter Gunter Skalen

NUM

SIN

TAN

L

SINH

TANH

LOGLOG -1, -2, -3

LOGLOG 1, 2, 3

COSH

P- (Pythagorean)

P+ (Pythagorean)

dB

ERF (error function)

GAMMA

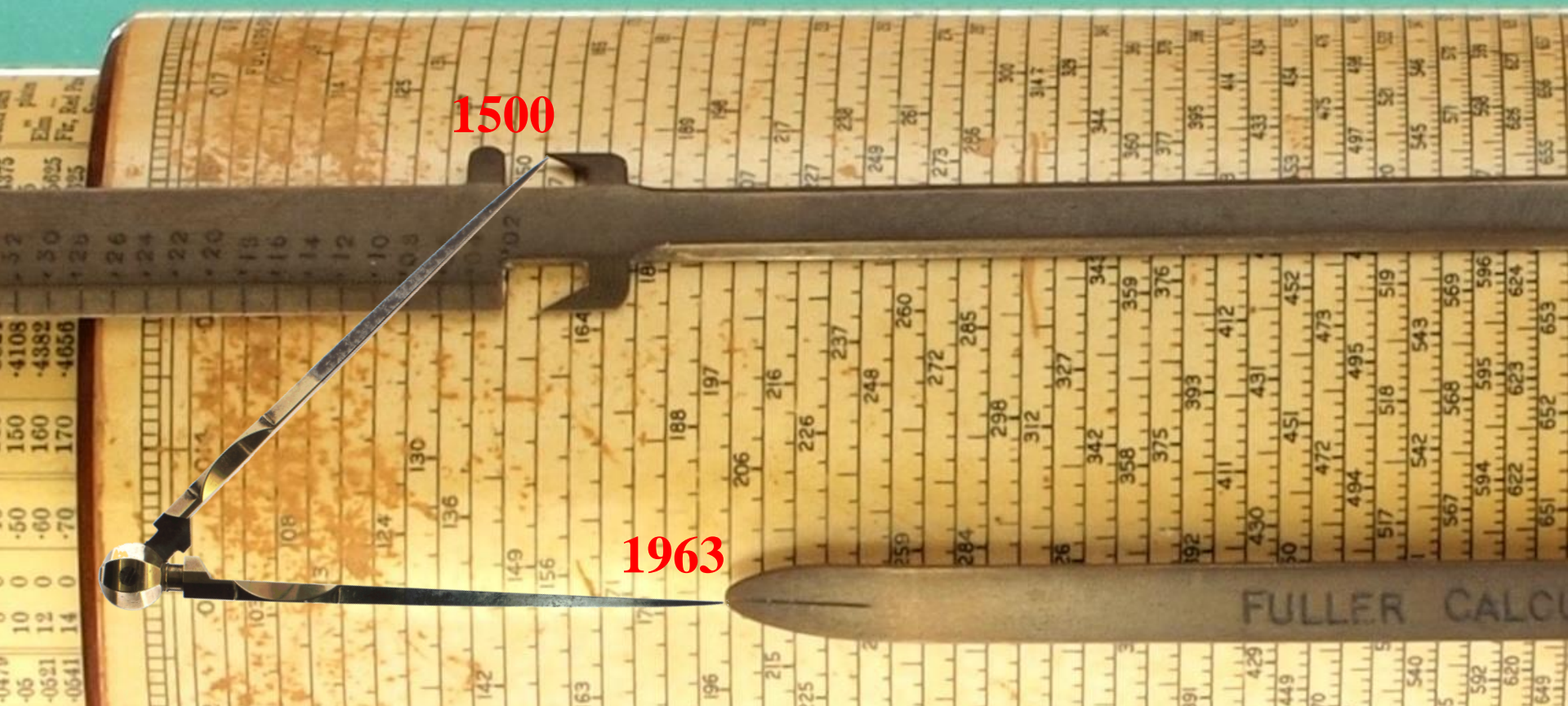
GAUSS

... und mehr spezielle Funktionen

Sieh <https://groups.yahoo.com/neo/groups/sliderule/conversations/messages/18056>



Stanley Fuller ist eine spiralförmige Gunter Skala, 13m



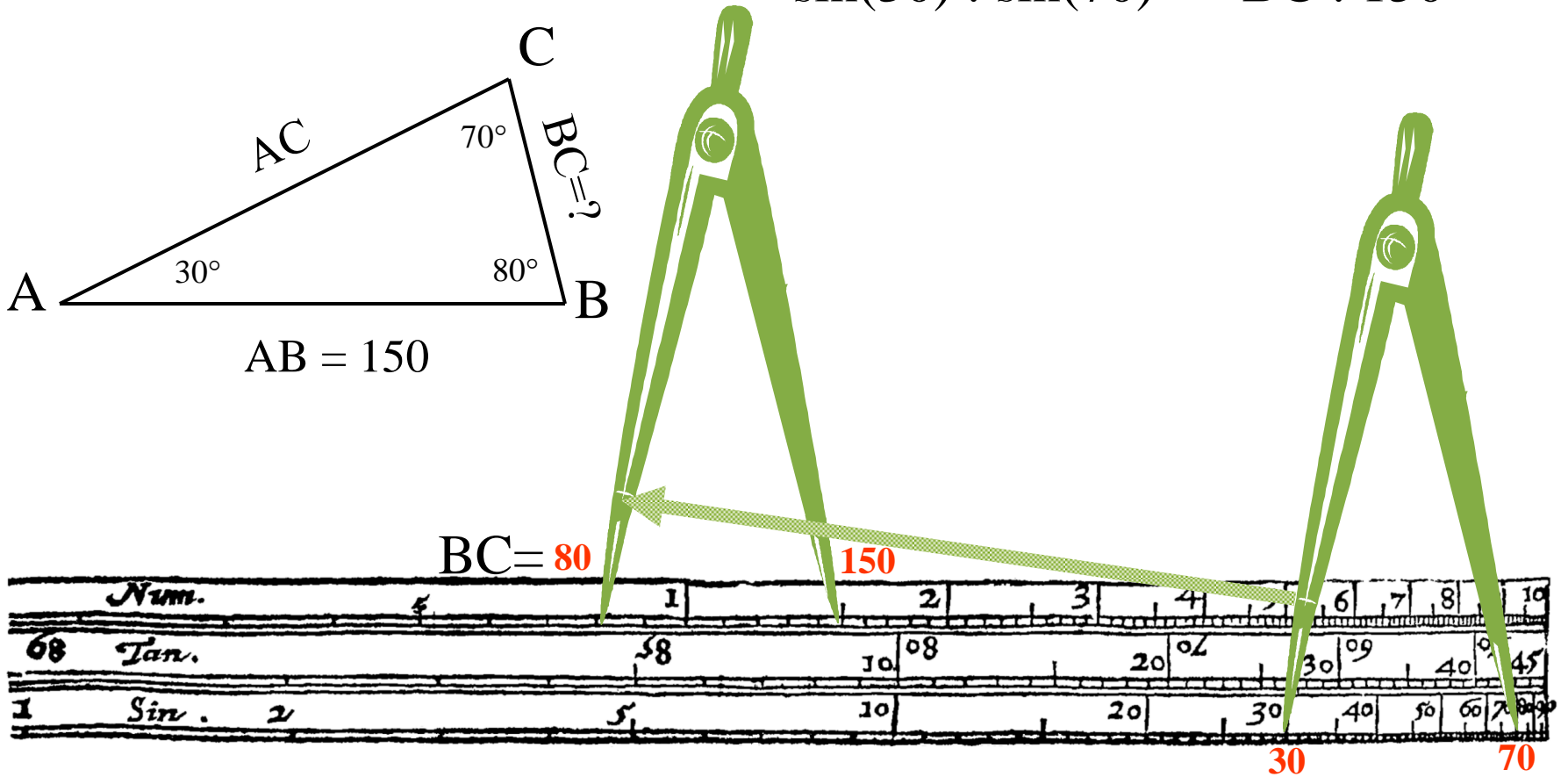
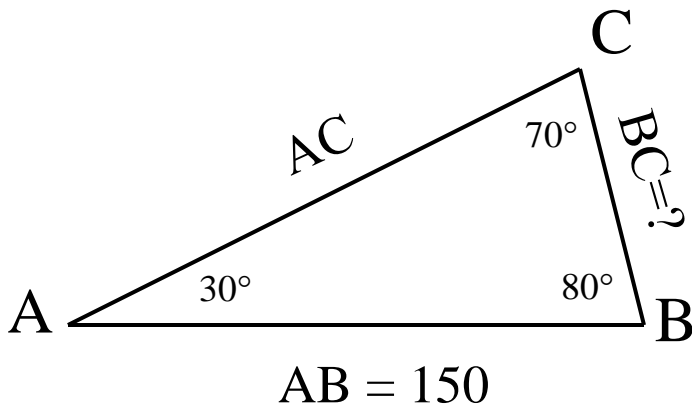
1500

1963

IM2006 Dead Reckoning - Example

Calculation of side BC in the Course Triangle (by the Sine Rule)

$$\sin(30) : \sin(70) = BC : 150$$



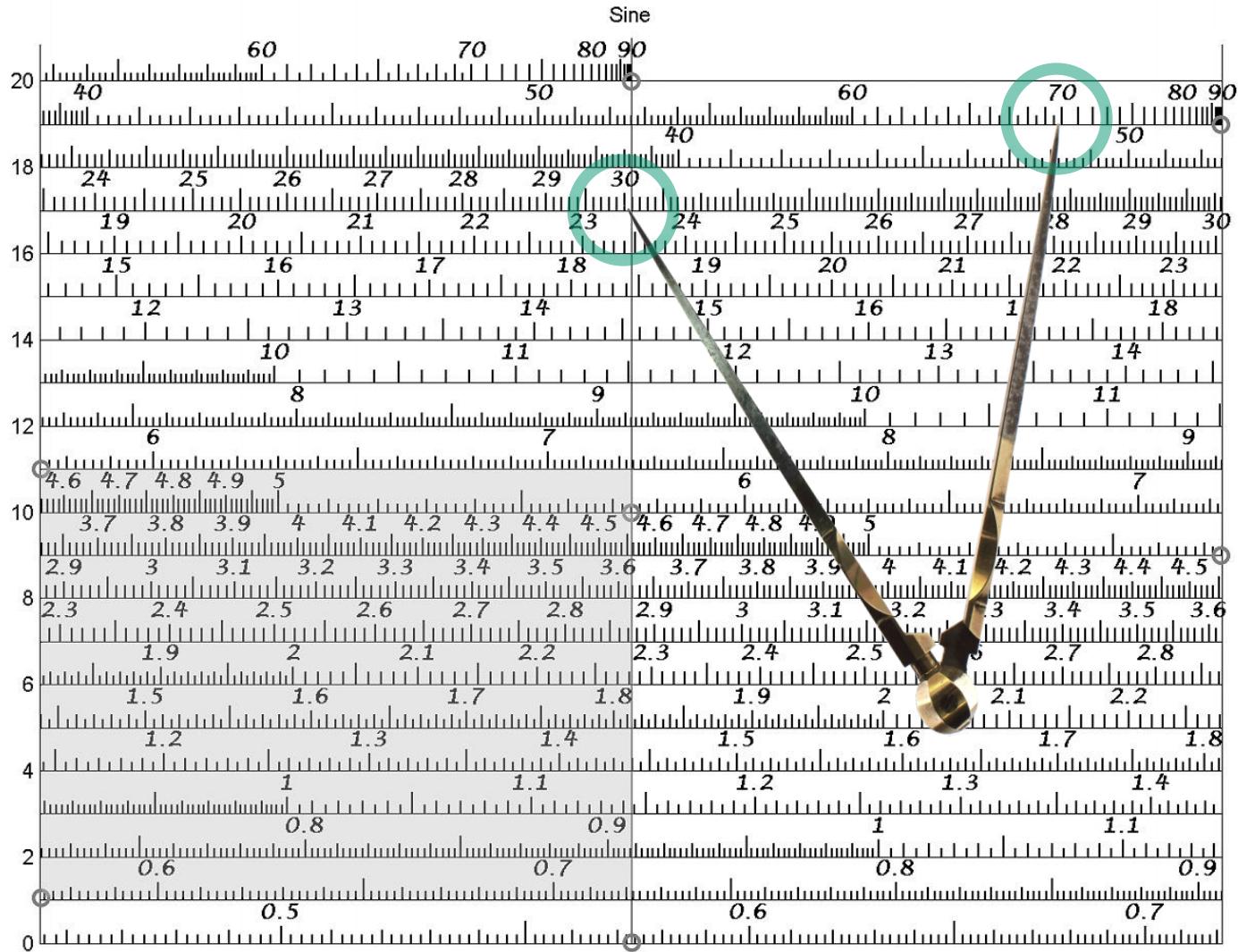
BC = 80

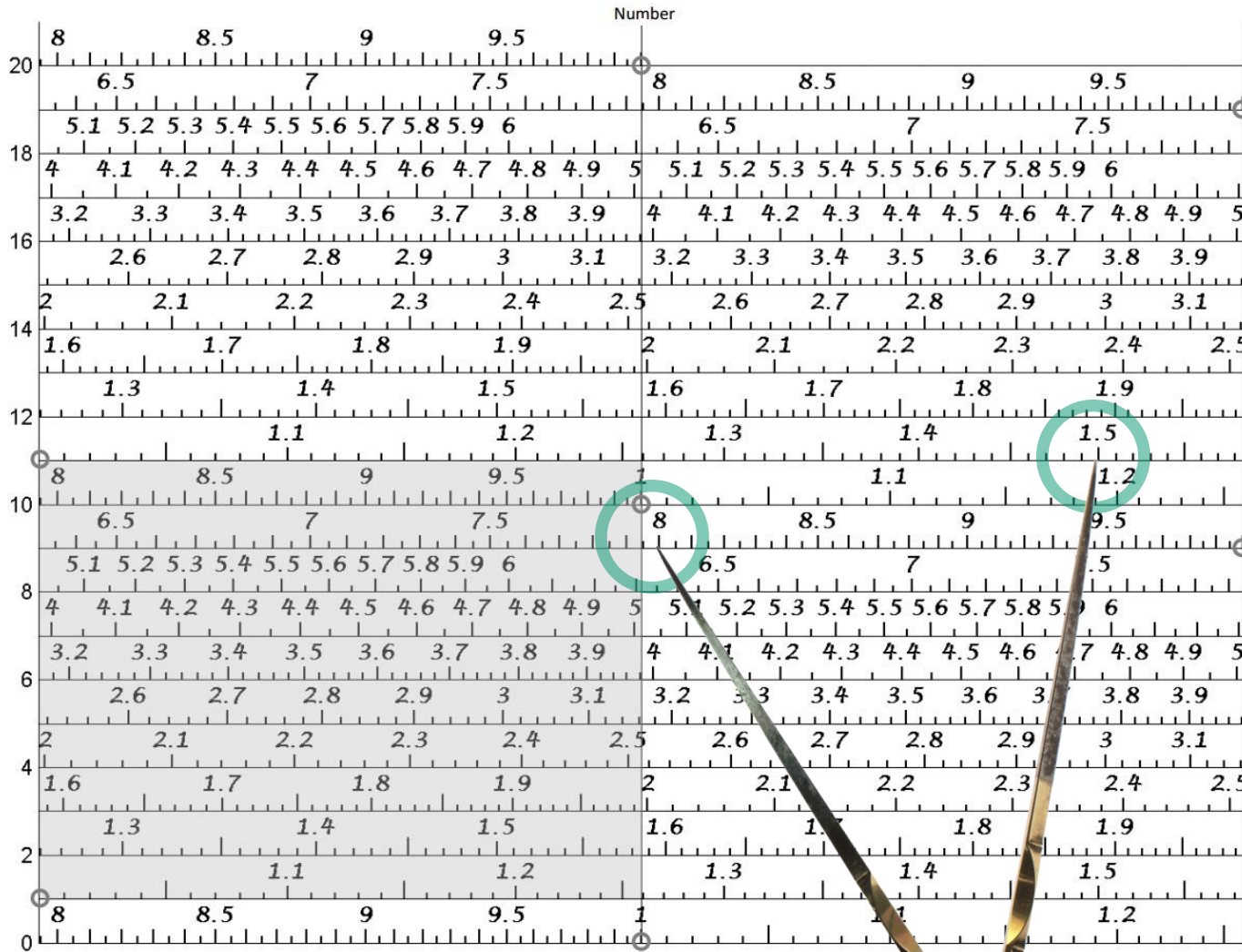
150

30

70

$$\sin(30) : \sin(70)$$





$$\sin(30) : \sin(70)$$

=

$$BC : 150$$

deshalb $BC = 80$