

Numbers by the running meter

Decimal expansion of π (as much as can be printed along the side of a 2-meter folding ruler)



A product from MeterMorphosen (DE)

English translation and comments

Ignace Lasters

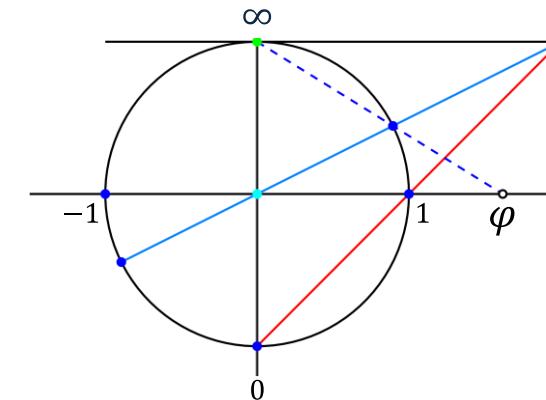
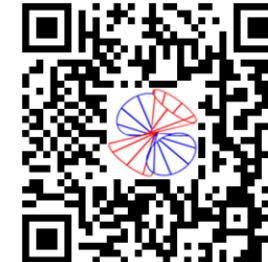
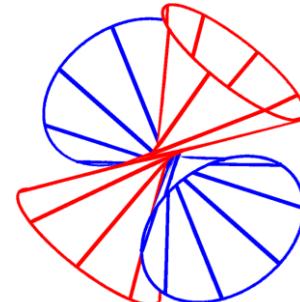
Een voor Twee

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2 is the only even prime number $\pi = 3.14 \dots$

Roman numbers:

I(1), II(2), III(3), IV(4), V(5), VI(6), VII(7), VIII(8), IX(9), X(10)
L(5), C(100), D(500), M(1000)
MMXXV = 2025

The Dirty Dozen (1967 war film)
13 = Baker's Dozen
(medieval English practice)

One of a kind; unique item
Monolith, prototype, one person,
One-dimensional (1-D)

DIN A4 page is
sized 21 x 29.7 cm
29.7
21 = $\sqrt{2}$



$\varphi = 1.68 \dots$
 $\sqrt{2} = 1.41 \dots$
Triangular numbers
Examples: $6 = 1+2+3$
 $10 = 1+2+3+4$
 $15 = 1+2+3+4+5$
 $21 = 1+2+3+4+5+6$

Prime numbers are printed in Red, e.g. 2, 3, 5, 7, 11,...

Twin primes:
 p prime and $p+2$ is also prime

Numbers that are members of the (standard) Fibonacci series are marked with an "F", e.g. 1F, 3F, 5F, 8F,...

Cubic number: n^3
 $27 = 3^3$ is the first odd cubic number
(note $8 = 2^3$ is even).

12.5 cm = 1/8 meter

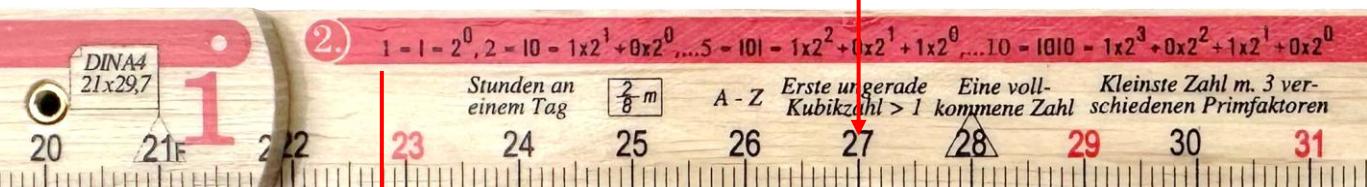
$2^4 = 16$

Magic square
Same sum of numbers in every row, column, diagonal. In this magic 3x3 Square: 15

Twin Prime Conjecture:
there are infinitely many twin primes

Binary, Dual, Bits, Bytes

Two persons, two-dimensional (2-D)
Image and mirror image, two connected objects



$21 = 1+2+3+4+5+6$
Decimal number, binary representation and binary expansion

$1 = 1 = 2^0$
 $2 = 10 = 1 \times 2^1 + 0 \times 2^0$
 $5 = 101 = 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$
 $10 = 1010 = 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 0 \times 2^0$

24 hours in a day
25 cm = 2/8 = 1/4 meter

26 letters in the English alphabet

A perfect number is a positive integer that is equal to the sum of its proper divisors

Example
 $28 = 1+2+4+7+14$

28 is also a triangular number
 $28 = 1+2+3+4+5+6+7$

30 is the smallest number with three different prime factors.
 $30 = 2 \times 3 \times 5$

$33 = 1! + 2! + 3! + 4! + 5! + 6! + 24$
 $33 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 + 12 + 13 + 14 + 15 + 16$
Example of 4x4 magic square using all numbers 1 to 16) and summing up to the magic constant 34.

$3 \times 37 = 111$ is a "special" because it shows up in a neat number pattern. It is a repunit (a number made of only 1's).

Even more interesting:
 $37 \times 3 = 111$
 $37 \times 6 = 222$
 $37 \times 9 = 333$
...

$37 \times 27 = 999$