

Pourquoi le nombre 13 porte malheur

Supériorité de la base duodécimale

Le Dernier des Matteo

(qui ne sait plus quoi faire de son temps)

Vendredi 13 novembre 2020



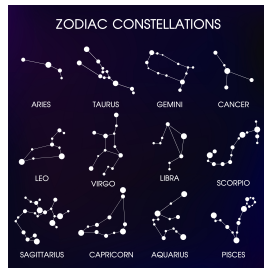
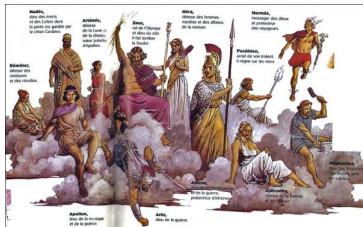
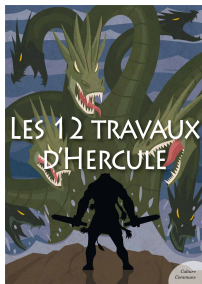
Superstition judéo-chrétienne...

12 apostles + 1 Christ = 13 freakin' guests = ☹️ (1)



(If only Jesus had listened to Macron: "No more than 6 guests at once" ...)

... Mais pas que



Mais POURQUOI le nombre 12 ?

L'argument qui tue

Wikipédia

"The number 12 is the smallest number with four nontrivial factors (2,3,4,6)"

ou dit de manière un peu plus sérieuse et intimidante

$$12 = \min_{n \in \mathbb{N}^*} n \\ \text{s.t. } |D(n)| \geq 4$$

where $D(n) := \{d \in \mathbb{N} \setminus \{1\} : \exists k \in \mathbb{N} \setminus \{1\}; n = kd\}$.

Then just add 1 to this perfect number... And it loses all its magnificent divisibility properties and becomes prime!!! $D(13) = \emptyset$!!! Shame!!!

(celui qui me demande "pourquoi 4" je lui fais une tête au carré parfait)

Conjecture: $\operatorname{argmax} \left\{ \frac{|D(n)|}{n} : n \in \mathbb{N}^* \right\} = \{6, 12\}$ and we take the biggest.

Consequence: the dozenal base

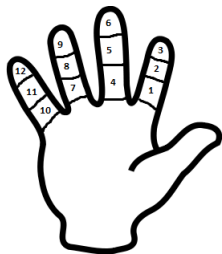
Decimal	1	2	3	4	5	6	7	8	9	10	11	12	144	1728
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Multiplications											
1	2	3	4	5	6	7	8	9	\mathcal{X}	\mathcal{E}	10
2	4	6	8	\mathcal{X}	10	12	14	16	18	$1\mathcal{X}$	20
3	6	9	10	13	16	19	20	23	26	29	30
4	8	10	14	18	20	24	28	30	34	38	40

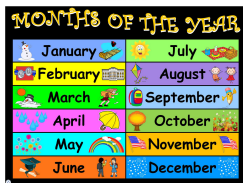


"Ravioles de Romans"

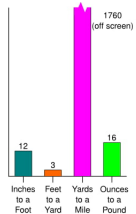
Divisions			
\div ↗	2	3	4
1	0.6	0.4	0.3
2	1	0.8	0.6
3	1.6	1	0.9
4	2	1.4	1



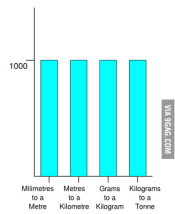
Dozenal system use



United States
Arbitrary Retarded Rollercoaster



The Rest of the World
Logical Smooth Sailing



⚠ L^AT_EX counts in base twelve:
1 line = 12 pts, 1 inch = 12 lines, 1 foot = 12 inches!

Take home message

**13-"I'm the worst number
in the world".**

666-"That's cute"

2020-"Hold my beer..."

Fortunately there aren't 666 months in a year...