

Mathematicians / Matemáticos International group

eTwinning project

New vision of the world / Nueva visión del mundo



This ebook is produced by an international group of students participating in the interdisciplinary and bilingual project “New vision of the world”
Students have participated in English and others in Spanish.

Este ebook es producido por un grupo internacional de alumnos participantes en el proyecto interdisciplinario y bilingüe “Nueva Visión del mundo”
Hay alumnos que han participado en inglés y otros en español

May 2018



Participating Schools / Centros participantes

- ❑ **Collège C. de Pisan – France**
- ❑ **Secondary school of Grombalia: Wala Abid - Syrine Rmili**
- ❑ **Athénée Royal de Beaumont (Belgica): Christophe Roland**
- ❑ **10th Helioupolis Primary School, Greece: Emma**
- ❑ **B' Arsakeio Tositseio Junior High School in Ekali , GREECE Athina Garbola ,Constantinos Nikitakis**

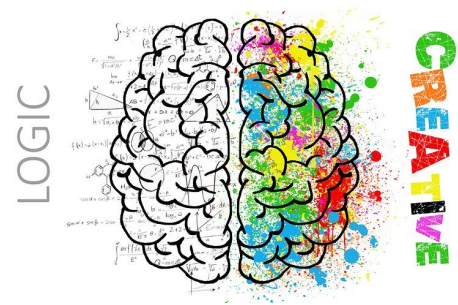
Teachers / Profesores:

- Najoua Slatnia, Tunisia
- Armelle Mandaroux, France
- Natalia Tzitzis, Greece
- Pilar Carilla, Belgium
- Athina Garbola , Greece



Topics / Temas

- Coding
- Mathematical proof
- Cryptography
- Interior design
- GEOMETRY - Thales' Theorem



ASII CODE



<https://twinspace.etwinning.net/44714/pages/page/364997>

A screenshot of a web browser showing an eTwinning page. The browser address bar shows "https://twinspace.etwinning.net/44714/pages/page/364997". The page title is "New vision of the world / Nueva visión del mundo". On the left, there is a "Pages" sidebar with a list of links: "Celebrating the European Day of Languages: Students' Online Meeting I", "Safer Internet Day 2018 / Día de Internet Segura 2018", "International groups / Grupos internacionales", "Bilingual e-Book: 'New vision of education / Nueva visión de la educación'", "ASCII Code", "Music: Our Cultural Heritage / Música: nuestro patrimonio cultural", "#eTwinningDay 2018", "Conferences in our schools / Conferencias en nuestras escuelas", "Documentation / Documentación", "Dissemination / Difusión", and "Evaluation / Evaluación". At the bottom of the sidebar is a "CREATE A PAGE" button. The main content area is titled "ASCII Code" and features a digital keyboard interface. The keyboard has an "alphabet" section with letters A through H, a "phrase" field with "0" characters, a "lettre" field with "L" and a "valeur" field with "13", and a "code" field with "1". A small cartoon character is visible in the center of the keyboard area.

**Created by the team of
Collège C. de Pisan – France**

ASII CODE



Browser tabs: eTwin, Twin, Twin, Inter, Proje, Twin, Twin, Najc, Boltr, trell, Eval.

Address bar: Sécurité | https://twinspace.etwinning.net/44714/pages/page/364997

New vision of the world / Nueva visión del mundo

Pages

- [Celebrating the European Day of Languages: Students' Online Meeting.1](#)
- [Safer Internet Day 2018 / Día de Internet Segura 2018](#)
- [International groups / Grupos internacionales](#)
- [Bilingual e-Book: "New vision of education / Nueva visión de la educación"](#)
- ASCII Code**
- [Music: Our Cultural Heritage / Música: nuestro patrimonio cultural](#)
- [#eTwinningDay 2018](#)
- [Conferences in our schools / Conferencias en nuestras escuelas](#)
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- [Dissemination / Difusión](#)
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ASCII Code

alphabet 26 Z

1 longueur: 26

phrase 0

lettre L valeur 13

code 1

If you know the ASCII code and want the letter press h. If you know the letter and want the ASCII code press i. si conoce el código ASCII y quiere la letra presione e y si conoce la letra y quiere el ASCII código presione n

CREATE A PAGE

Address bar: Sécurité | https://twinspace.etwinning.net/44714/pages/page/364997

visión del mundo

Pages

- [Celebrating the European Day of Languages: Students' Online Meeting.1](#)
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ASCII Code

alphabet 26 Z

1 longueur: 26

phrase 0

lettre L valeur 13

code 1

what is the ASCII code between 65 and 90?

CREATE A PAGE

ARCHIVED PAGES

Created by the team of Collège C. de Pisan – France

mathematical proof

a mathematical proof is similar to an attorney arguing a case in a courtroom. An attorney's task is to prove a person's guilt or innocence using evidence and logical reasoning. A mathematical proof shows a statement to be true using definitions, theorems, and postulates. Just as with a court case, no assumptions can be made in a mathematical proof. Every step in the logical sequence must be proven. Mathematical proofs use deductive reasoning, where a conclusion is drawn from multiple premises. The premises in the proof are called statements.

Las matemáticas

Aunque a muchas personas no les gusten, están en todas las partes de nuestra vida y en todo momento, por ejemplo : en los teléfonos y los ordenadores, para calcular el tiempo, para hacer avanzar tu coche...

La informática

Si cuando pulsas una tecla hay una reacción es porque por tu móvil pasan líneas con códigos binarios (0 ;1), y envían una respuesta que puede tener más de cien números ! Constantemente se fabrican ordenadores más potentes y rápidos.

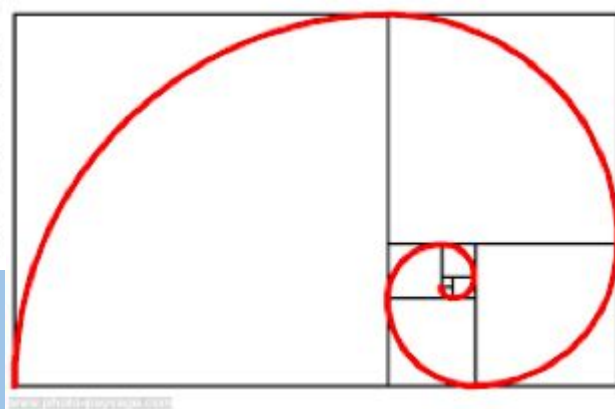
Los números irracionales

Los números irracionales son números que no tienen final. Uno de los números más famosos es el número π . En secundaria aprendíamos que es 3,14 para facilitar los cálculos pero podemos continuar diciendo todos sus números durante mucho tiempo.

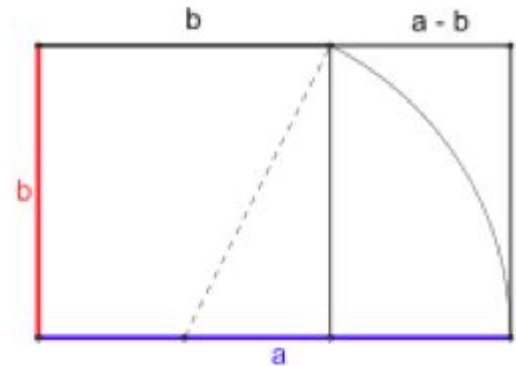
Christophe Roland (Beaumont / Bélgica)

**El otro número es el el que fue más utilizado cuando profundizamos los logaritmos.
Otro número que es muy interesante es el número de oro : más o menos 1,6180339...
Es un número muy artístico y bonito.**

3. 141592653589793238462643383279502
88419716939937510582097494459230781
64062862089986280348253421170679821
48086513282306647093844609550582231
72535940812848111745028410270193852
11055596446229489549303819644288109
75665933446128475648233786783165271
20190914564856692346034861045432664
82133936072602491412737245870066063
15588174881520920962829254091715364
36789259036001133053054882046652138
41469519415116094330572703657595919
53092186117381932611793105118548074
46237996274956735188575272489122793



Christophe Roland (Beaumont / Bélgica)



Las probabilidades

Con los matemáticas podemos también calcular cuales serían los números ganadores de la lotería o calcular la probabilidad que hay de que un meteorito caiga en la tierra.

¡Espero que ahora les gusten un poco más los matemáticas !

Christophe Roland (Beaumont / Bélgica)



Maths in Interior Design

Interior designing involves

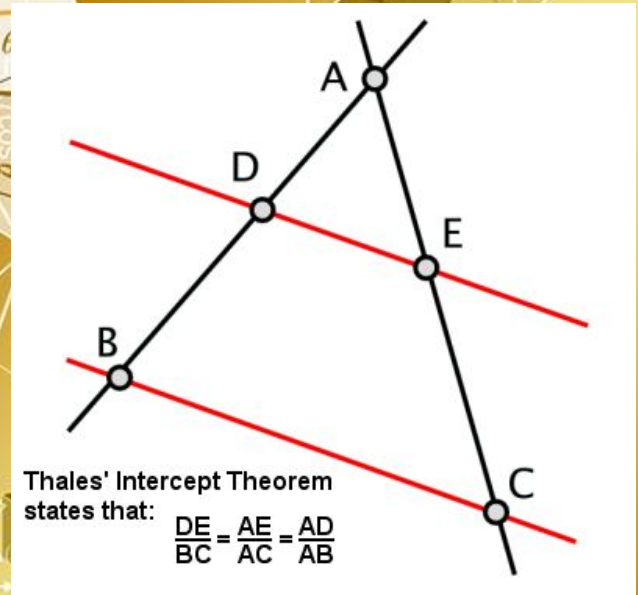
- area and volume calculations to calculate the proper layout of a room or building
- **mathematical** calculations to make sure their **designs** comply with building regulations
- geometry for better-looking **designs**
- mathematical calculations to estimate the cost and keep it within their budget
- all the above in the case of amateurs working on DIY (do-it-yourself) constructions around the house

By Emma, Greece

GEOMETRY - Thales' Theorem

Most of Greek mathematics was based on geometry. Thales, one of the Seven Sages of Ancient Greece, who lived on the Ionian coast of Asian Minor in the first half of the 6th Century BCE, is usually considered to have been the first to lay down guidelines for the abstract development of geometry, although what we know of his work (such as on similar and right triangles) now seems quite elementary.

Thales established what has become known as Thales' Theorem, whereby if a triangle is drawn within a circle with the long side as a diameter of the circle, then the opposite angle will always be a right angle (as well as some other related properties derived from this). He is also credited with another theorem, also known as Thales' Theorem or the Intercept Theorem, about the ratios of the line segments that are created if two intersecting lines are intercepted by a pair of parallels (and, by extension, the ratios of the sides of similar triangles).



By Constantinos
from GREECE

