All Market

Archimedes was taking a bath, trying to find a way to price whether the crown of the king of Syracuse was made of gold or not, when he came up with his principle...



Law of lever

The first writings concerning levers were provided by Archimedes, who dinshirtheely so difference a place to stand and I shall move the Earth with it."



An object, wholly or partially immersed in a stationary bluid, is buoged up by a force equal to the weight of the fluid displaced by the object.



Equal unights at equal distances from the pivot balance. Equal unights at unequal distance from the pivot do not balance, but the cought at the greater distance will falls the seed of the lever down. Teday's case of Arethresies Friends



In shipbuilding, it is taken into consideration to a great extent. A lot of applications of it appears in the construction of submarines and floating tanks because of the changeable buoyancy rates.

Biographical Sketch

Archinedes ous an ancient direct physician, notherestican, mechanic, duentor and astronomer. He was born in appr. 181 A.D. in the part of Sanatuse, in String it is inknown whether he was nurried at had now children. He studied in the Alexandria of Egypt. He died in Appr. 216 A.D. diving a mar.

The claw of Archimedes A weapen, used for the defense of Syracuse, was lifting the ships out of the water and sinking them.



The steam camon of Archimedes It was launching reetal apheres with the use of water and it consisted of a metal cylindrical beiler and a closed container full of water.



Archimedes' screw Used for raising the water and moving it from a tower place to a higher one. this device was a revolving scravshapped blade inside a cylinder.



The publicus of electriments
It was consisted of
connected emending
screws and to wheel which
inside the and it was
used for the lifting or
attraction of heavy carge
with small amount of
force.





IST EXPERIMENTAL HIGH SCHOOL OF THESSALONIKI "MANOLIS ANDRONIKOS"

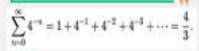




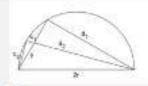
Erasmus ka2: "Inventors and innovators: our heritage, our future"

On the sphere and the eylinder.

The surface area and the volume area of a sphere is 2/3 of the sylinder that surrounds the sphere.

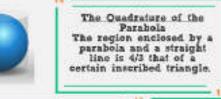


The method of exhaustion He calculated the rate of Pi (mentioned in the Measurement of a sphere), which is between the 31/7 and the 310/70.



Pythagorean theorem Archimedes managed to calculate the side of the 12-gon from the side of an 6-gon.





Proof by Contradiction Archimedes gave accurate answers to mathematical problems using that method.



The Sand Reckoner

Be calculated the amount of
the grains of sund that fit
into the universe. Be also
invented a system of
measurement with
"μυριάδα" (miriada) as a
unit.



The Orwey of Archimedes
It was made with glass apheres,
placed the one into the others and
being able to move with the help of
water. This astronomical device
showed the positions of the five
planets that were known until them. It
is said that Archimedes had managed
to calculate with great accuracy the
distances between those planets, in
fact, he was representing the first
planetary system.

