

Base 10 calendar

- ▼ 2010 (2)
 - ▼ April (2)
 - Base 10 Calendar - historical evolution
 - Base 10 Calendar- month names



Monday, April 5, 2010

Base 10 Calendar - historical evolution

The current calendar is based on an average of months which last 30.46 days. That's how the existing Gregorian calendar implemented in October of 1482 attempts to organize our 365.25 days per year.

It's based on the solar cycle. The month, however, is based on 12 based on the lunar cycle. and yet the cycles don't really match because the lunar cycle divides into the solar cycle 12.85 times, so the astrological 12 signs don't coincide with the sidereal or tropical year to begin with.

The astrologers make the zodiacal signs longer by 1.074 to match the lunar cycle with the solar cycle. This fraction is achieved by dividing $30.5/28.4$ which is the difference between the daily solar cycle and the daily lunar cycle.

The Solar or Tropical Year is the period of time in which the earth performs a revolution in its orbit about the Sun, or passes from any point of the ecliptic to the same point again. It consists of 365.2422 days, or 365d 5h 48M 46s. (The Sun's motion in longitude in a Julian year of 365.25 days is $360^{\circ} 27'7$.)

The Sidereal Year is a period of 365d.256 or 365d 6h 9m 9s.5, during which time the Sun's center, departing eastward from the ecliptic meridian of a given star, returns to the same; an astral year. It is about 20 minutes longer than the tropical year. The sidereal month is of a duration of 27d.322.

The astrological cycle is to have twelve signs in twelve houses to have one in each month. Our current astrology charts are aligned somewhat to match the Gregorian Calendar which is approx. 11 days off from the Julian Calendar.

The Roman Julian calendar had 10 months prior to its decline in 500AD because they didn't give any names to the two Winter months of January and February. I guess people hibernated during that time and didn't keep track of appointments? How bizarre that they carried on business like that for more than a thousand years.

We know it takes the moon 28.4 days to circle the earth. We are using this as the basis for our lunar month.