



(thirty-three) is the natural number following 32 and preceding 34. **MATHEMATICS** 33 is the largest positive integer that can not be expressed as a sum of different triangular numbers. It is also the smallest odd repdigit that's not prime (unless we consider 1-digit integers to also be repdigits). 33 is the eighth distinct biprime comprising the prime factors (3 · 11). Its aliquot sum is 15; itself a discrete biprime (3 · 5) in the following Aliquot sequence 33,15,9,4,3,1,0. (Note 33 is the 8th composite number to descend into the

prime number 3, the others outside of this sequence being 30,26,16,12) Since 33 is a semiprime with both its prime factors being Gaussian primes, 33 is a Blum integer. The sum of the first four positive factorials is 33. Adding up the sums of divisors for the 1 through 6 yields 33. 33 is the smallest integer such that it and the next two integers all have the same number of divisors. It is also the first member of the first cluster of three biphimes (33,34,35); the next such cluster is (85,86,87). Since the greatest prime factor of $332 + 1 = 1090$ is 109, which is obviously more than 33 twice, 33 is a Størmer number. $33=00+11+22+33$. **SCIENCE** 33 is the atomic number of arsenic. **ASTRONOMY** Messier object M33, a magnitude 7.0 galaxy in the constellation Triangulum, also known as the Triangulum Galaxy. The New General Catalogue object NGC 33, a double star in the constellation Pisces. The Saros number of the solar eclipse series which began on -1982 August 2 and ended on -485 January 17. The duration of Saros series 33 was 1496.5 years, and it contained 84 solar eclipses. The Saros number of the lunar eclipse series which began on -1662 May 22 and ended on -364 July 10. The duration of Saros series 33 was 1298.1 years, and it contained 73 lunar eclipses. **RELIGION** the number 33 symbolizes truth. This number has the meaning that good will always triumph over evil. Lag Ba'omer is a minor Jewish holiday which falls on the 33rd day of the Omer. Jesus's age when he was crucified in 33 A.D., according to many, though not verified historically. In the religion of Islam the Muslims believe that the dwellers of Heaven will be existing eternally in a state of being age 33. **SPORTS** The number of innings played in the longest baseball game in history (a 1981 minor league game between the Rochester Red Wings and the Pawtucket Red Sox in Pawtucket, Rhode Island). Number of retired hockey goalie Patrick Roy. Jersey number of football player Diego Barry whose efforts led St. Paul's Episcopal School to its first Alabama 5A State Championship. Jersey number of Pro Football Hall of Fame football player Tony Dorsett, Dallas Cowboys running back. Jersey number of baseball player Eddie Murray. The number was retired by the Baltimore Orioles in 1998. Jersey number of baseball player Justin Morneau in honor of hero, Patrick Roy. Jersey number of basketball player Larry Bird. The number was retired on February 4, 1993 by the Boston Celtics. Jersey number of basketball player Kareem Abdul-Jabbar. The number was retired by the Los Angeles Lakers. Jersey number of basketball player Patrick Ewing. The number was retired on February 28, 2003 by the New York Knicks. Jersey number of basketball player Scottie Pippen. The number was retired on December 9, 2005 by the Chicago Bulls. Jersey number worn by Redskins QB Sammy Baugh during the early years of the NFL. Number also worn by Grant Hill and Alonzo Mourning. Kerry Earnhardt's Nextel Cup Series number for Richard Childress Racing sponsored by Holiday Inn. The number of years that Manchester City Football Club have gone without a trophy. Race number of MotoGP rider Marco Melandri. Race number of New Zealand Speedway driver, David Foxall. On most occasions, the traditional number of racers in the Indianapolis 500. **CULTURE** In reference to gramophone records, 33 refers to a type of record by its revolution speed of 33 revolutions per minute. 33s are also known as long playing records, or LPs. A significant number in modern numerology, one of the master numbers along with 11 and 22. A song by the Smashing Pumpkins on their Mellon Collie and the Infinite Sadness album. Also a song by Coheed and Cambria on their The Second Stage Turbine Blade album (the songs are not related). The title of the first episode of the new Battlestar Galactica television series. In French, Italian, Romanian, Spanish and Portuguese, the word a patient is usually asked to say when a doctor is listening to his or her lungs with a stethoscope (Trente-Trois, Trentatré, Treizeci i trei, Treinta y Tres and Trinta e Três). The code for international direct-dial phone calls to France. A normal human spine has 33 vertebrae when the bones that form the coccyx are counted individually. The number printed on all Rolling Rock beer labels. The namesake of the private club, Club 33, located in Disneyland's New Orleans Square. The Scottish Rite of Freemasonry has 33 degrees. Number of victims, including the suspect, that were all killed at Virginia Tech, April 16, 2007. 33 were Uruguay's national Independence Heroes that liberate the country in 1825 from the Brazilian Empire, they are popularly known as "Treinta y Tres Orientales" (The Thirty-Three Orientals), one of Uruguay's national states and its capital city is named " Treinta y Tres" after them. A religious image of the Virgin Mary from the XVIII Century is known in Uruguay as "Virgen de los Treinta y Tres" (Virgin of the Thirty-Three) consecrated by Pope John Paul II in his visit to Uruguay in 1988. 2008 is the first time in 33 years that the United States has sent a satellite to explore and orbit Mercury (January 15, 2008). Progressive Metal band Meshuggah released their album "Catch 33" in the year 2005. In 2008, musician Teddy Geiger gives clues to fans about his new single, "march" which dropped March 3, or "33". In late May he announced 33 brand new songs that his fans could choose from to create their own album, called TG33. In 2004, Los Angeles Rock group 33DEGREE released the 5 volume CD-set titled "regret the heredity", which is an anagram for Thirty Three Degree. The bands logo, shoes, and website all emphasize the number '33'. '33'(three-three) is a Nigerian produced brand of beer. N.A.S.A's Pathfinder landed on Mars, location 19.5° N by 33.3° W, on July 4, 1997. The number of the French department Gironde. Beethoven's Op.120 consists of 33 variations on a waltz by Anton Diabelli. Dante wrote the Divine Comedy in 3 canticas - each consisting of 33 cantos. The United Nations symbol has exactly 33 segments. **33 years ago, you were born.**

FAYE CASS

...all meaningless without the last one.