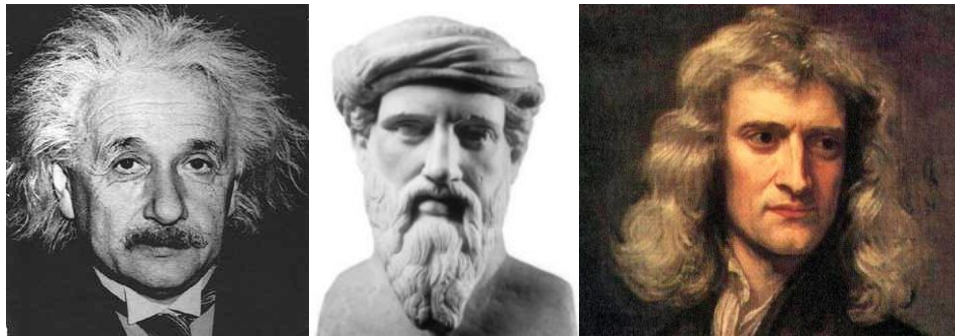


SIX COOL FACTS  
ABOUT  
*FAMOUS*  
*MATHEMATICIANS*



*Scan the QR Codes*  
*for*  
*60-90 second videos*

Students of Mr. Goettman's  
Math Classes

# Six Cool Facts about Maria Agnesi

1718-1799



First woman to write  
a math textbook

First female math  
professor



# Six Cool Facts about Muhammad ibn Musa al-Khwarizmi

c. 780 - c. 850

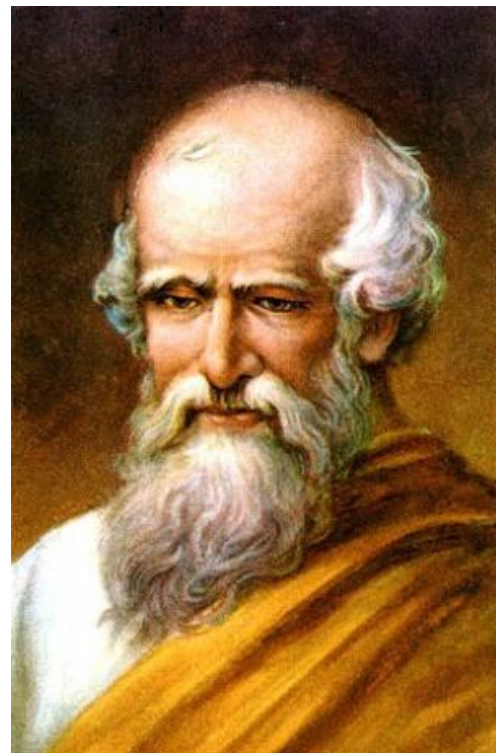
“Father of Algebra”

First to use decimals



# Six Cool Facts about Archimedes

c. 287 BC - c. 212 BC



“Greatest Mathematician of Antiquity”  
Among the first to apply math to physics

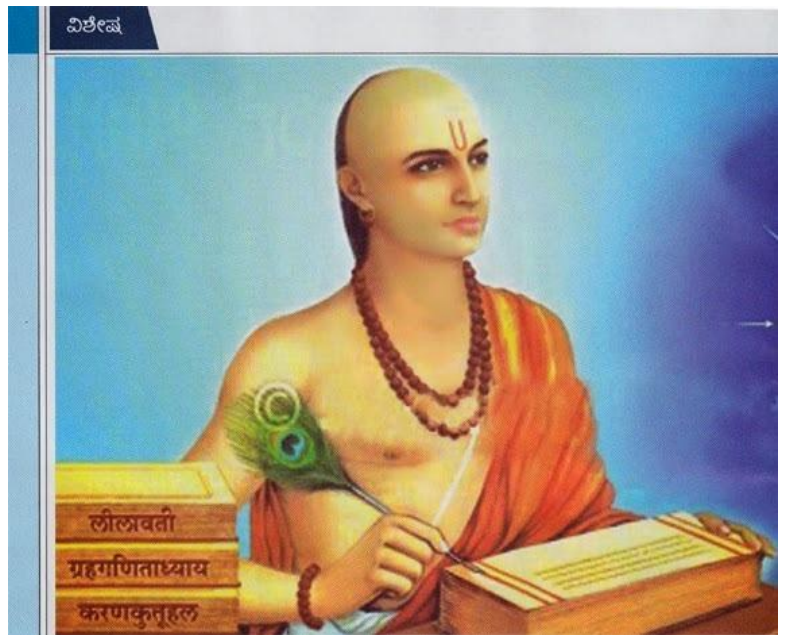


# Six Cool Facts about Aryabhata

476-550 AD

First major mathematician  
of the classical Indian age

First to use “zero”

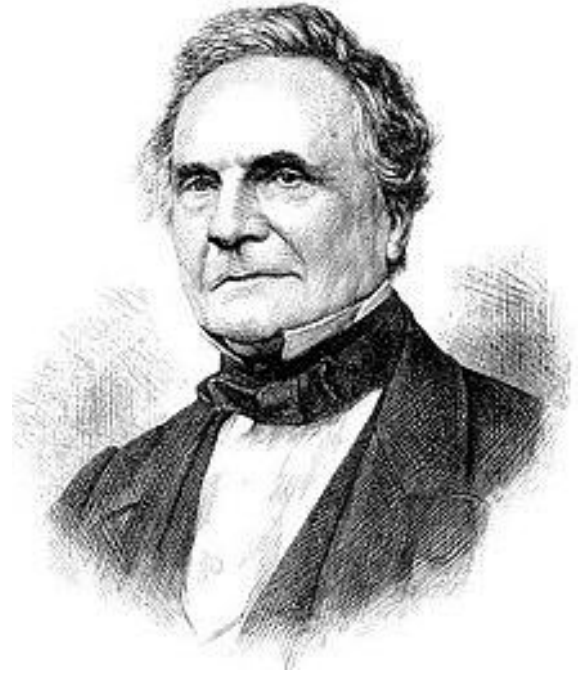


# Six Cool Facts about Charles Babbage

1791-1871

“Father of the Computer”

Inventor of first mechanical computer



# Six Cool Facts about Benjamin Banneker

1731-1806

Mathematician who helped design  
Washington

Famous for astronomical almanacs



# Six Cool Facts about Daniel Bernoulli 1700-1782



Applied math to fluid mechanics  
Pioneer in probability and statistics



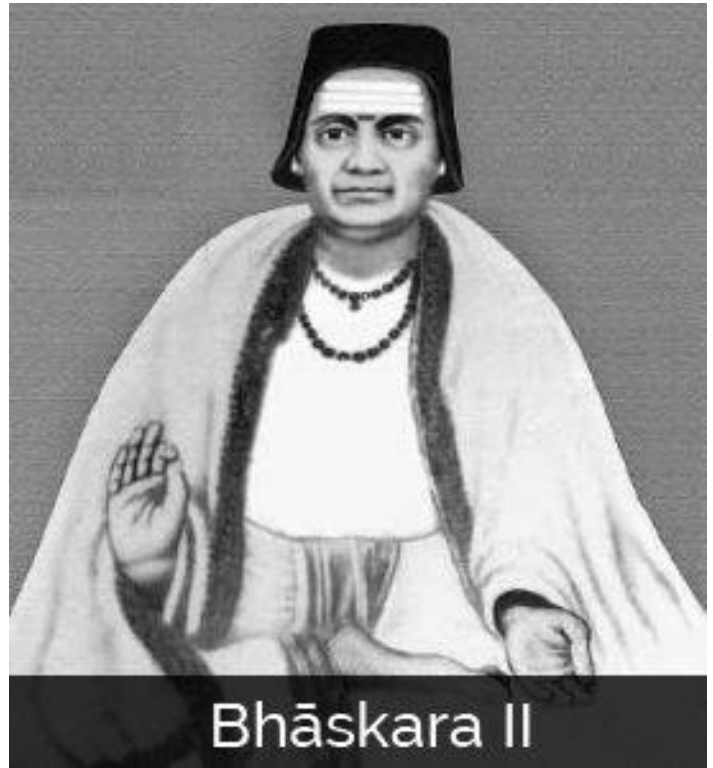


# Six Cool Facts about Bhaskara II

1114-1185

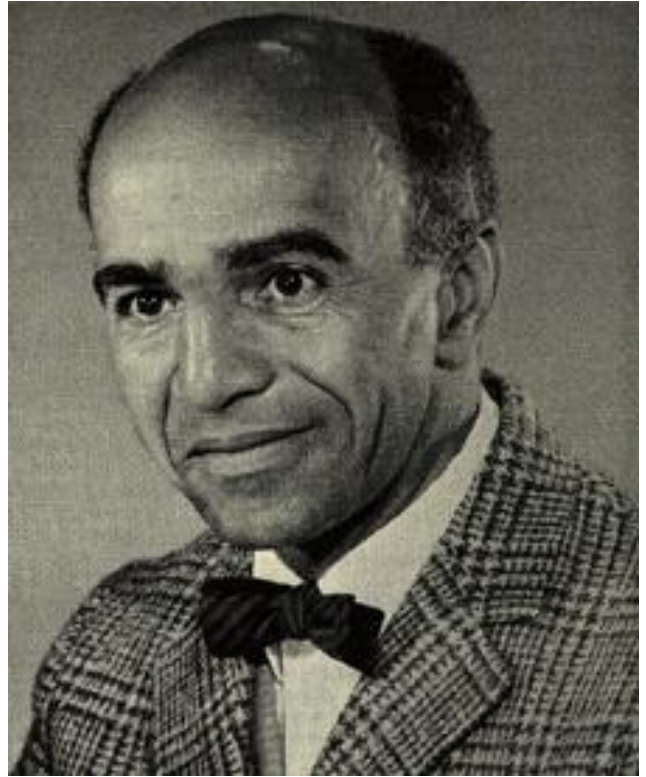
“Greatest Mathematician of  
Medieval India”

Wrote about calculus 500 years  
before Newton



# Six Cool Facts about David Blackwell

1919-2010



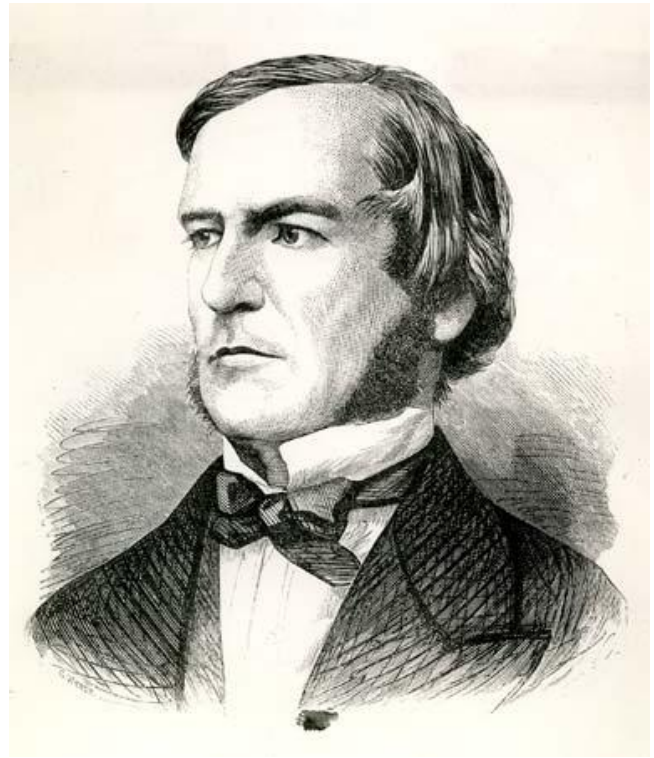
First African-American inducted to  
Nat'l Academy of Sciences  
Contributed to Game & Probability  
Theory



# Six Cool Facts about George Boole

1815-1864

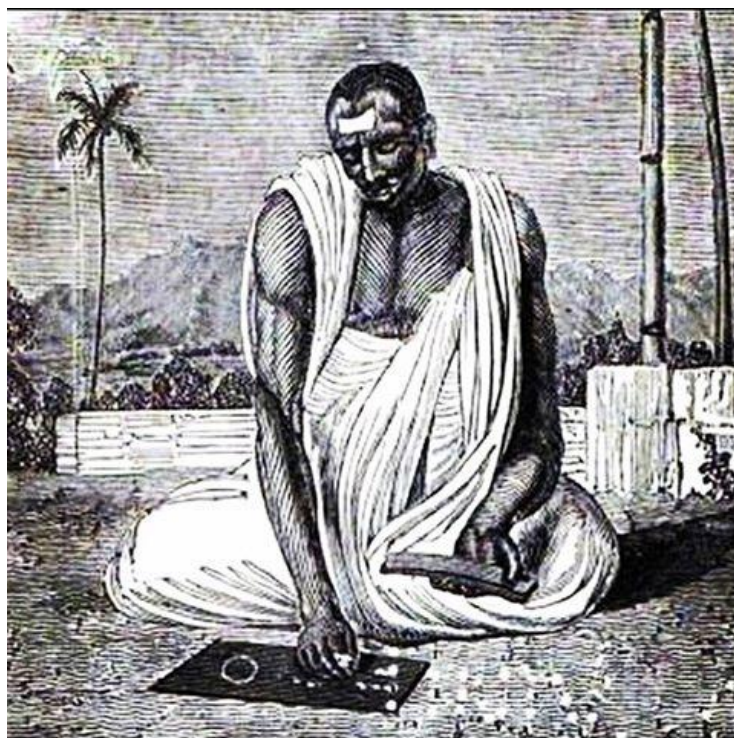
Creator of “Boolean Logic”  
Laid foundation for modern  
Search Engines



# Six Cool Facts about Brahmagupta 598-668 AD

First to give rules computing  
with zero

Wrote math textbooks with  
poetic verse



# Six Cool Facts about Marjorie Lee Browne

1914-1979

Among first African-American women to  
earn PhD

Introduced Computer Science to NCCU



# Six Cool Facts about Isambard Kingdom Brunel

1806-1859

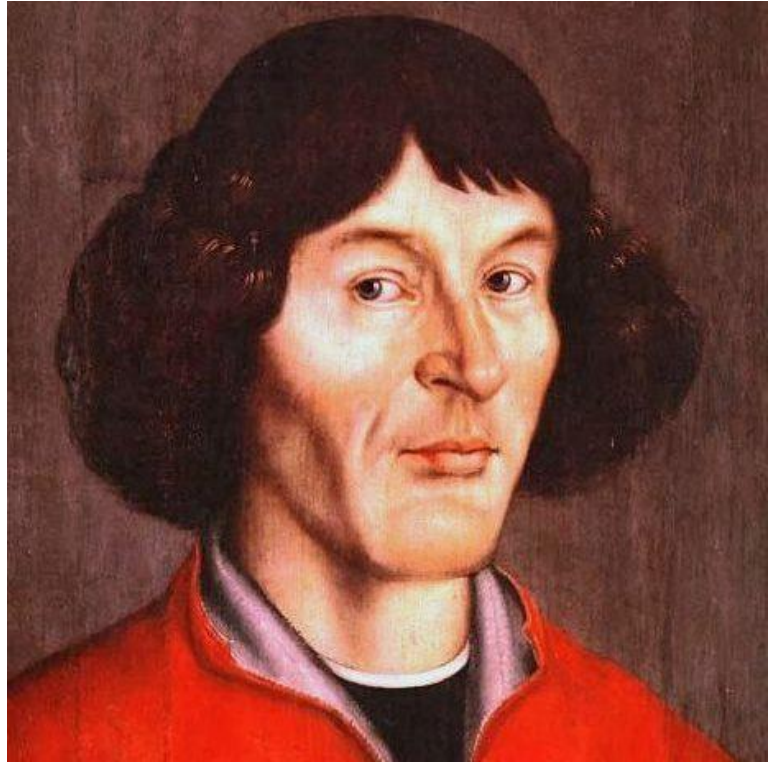
British Engineer who built Great Western  
Railway

Designed first propeller-driven steel ship



# Six Cool Facts about Nicolaus Copernicus 1473-1543

First major mathematician to  
put the Sun (not earth) at  
center of universe



# Six Cool Facts about Jean d'Alembert 1717-1783



Creator of Fundamental Theorem  
of Algebra  
Contributed to field of fluid mechanics

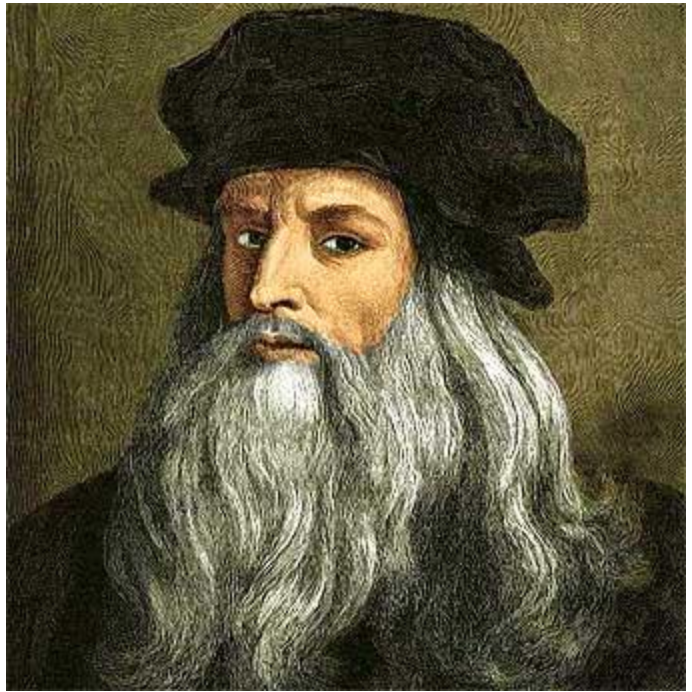


# Six Cool Facts about Leonardo da Vinci

1452-1519

One of the original  
“Renaissance” men

Genius in math, science, and art



# Six Cool Facts about Rene Descartes

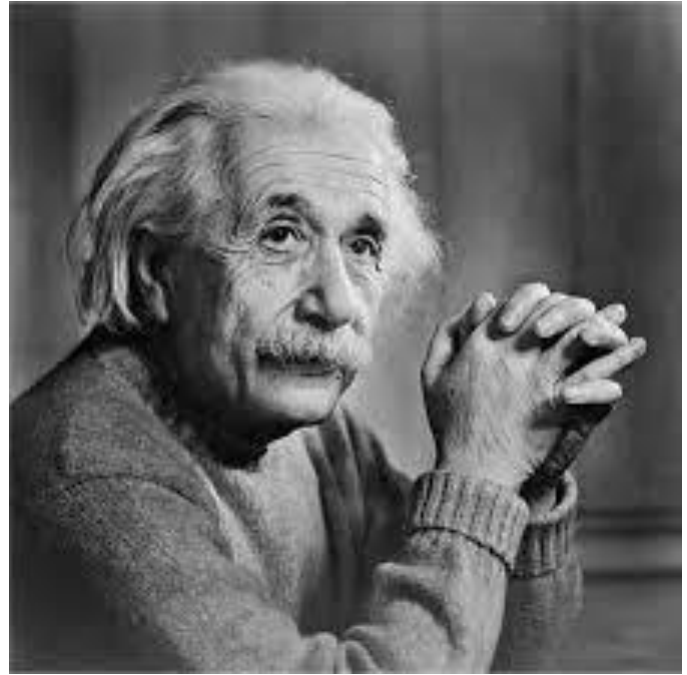
1596-1650

First to combine algebra and  
geometry  
Creator of x/y-coordinate grid



# Six Cool Facts about Albert Einstein 1879-1955

Developed “Theory of Relativity”  
First to propose  $E = mc^2$

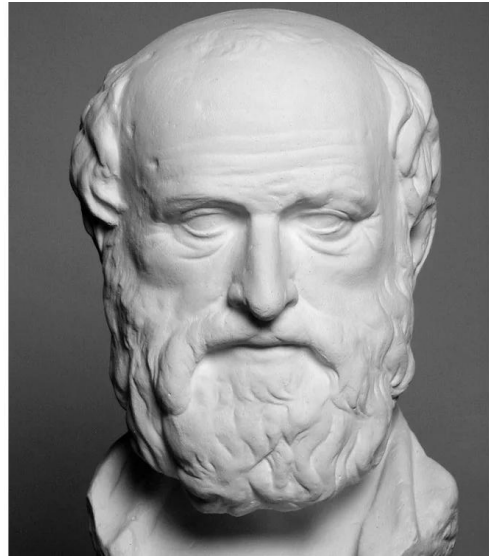


# Six Cool Facts about Eratosthenes

276 B.C. - 194 B.C

First to accurately calculate  
circumference of Earth

First to use Geography as a  
discipline.



# Six Cool Facts about Euclid

about 300 B.C.

“Father of Geometry”

Wrote “Elements,” influenced math  
for centuries



# Six Cool Facts about Leonhard Euler

1707-1783

One of the most eminent  
mathematicians  
of the 18th Century.  
Contributions in calculus  
and topology.



# Six Cool Facts about Pierre de Fermat 1607-1665

Early developments in calculus  
Author of “Fermat’s Last Theorem”

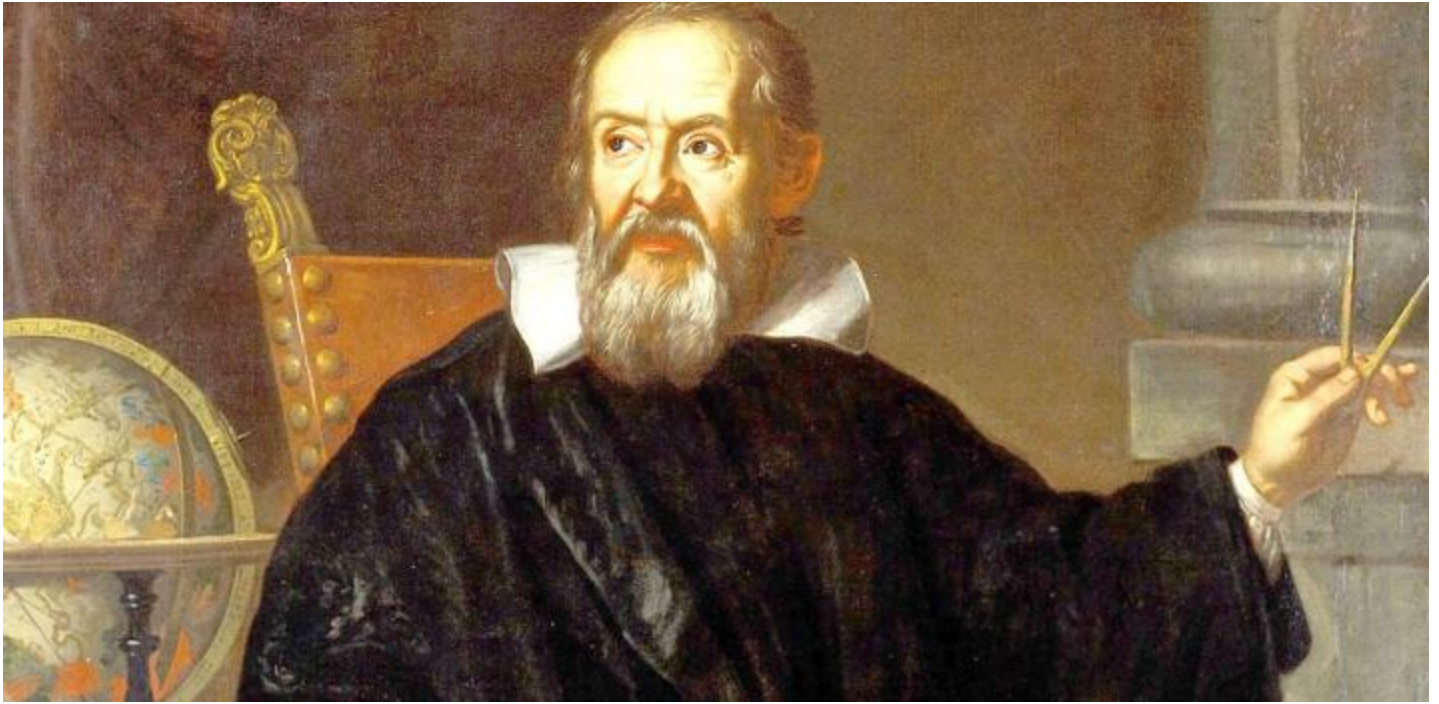


# Six Cool Facts about Leonardo Fibonacci 1175-1250

Brought Hindu-Arabic  
numerals to the West.  
Introduced Fibonacci  
Sequence to the West







# Six Cool Facts about Galileo Galilei (1564-1642)

The Father of the Scientific Method  
Among first to apply math to physics

# Six Cool Facts about Evariste Galois

1811-1832

Died Age 20 from a duel  
over a woman.

Major contributions to  
math theory of his day.



# Six Cool Facts about Carl Frederich Gauss

1777-1855

“The Greatest Mathematician  
Since Antiquity”

Major contributions to our  
understanding of magnetism.



# Six Cool Facts about Sophie Germain

1776-1831

Major contributions to math theory  
despite prejudices against women in  
the field.



# Six Cool Facts about Kurt Godel

1906-1978

Major contributions in logic which  
helped in mathematical proofs.  
Author of the Incompleteness  
Theorems.



# Six Cool Facts about Hipparchus 190-120 B.C.

Founder of Trigonometry  
Advances in astronomical  
predictions



# Six Cool Facts about Yang Hui 1238-1298

Magic squares and magic circles  
Binomial Theorem 400 years  
before Pascal



# Six Cool Facts about Christiaan Huygens

1629-1695

Pioneer in probability theory  
Major contributions in optics  
and mechanics





# Six Cool Facts about Hypatia 360-415 A.D.

First female mathematician of  
recorded history  
Also taught astronomy and  
philosophy



# Six Cool Facts about Katherine Johnson

1918-



Calculations of orbital mechanics as a NASA employee were critical to the success of the first and subsequent U.S. crewed spaceflights.

# Six Cool Facts about Johannes Kepler

1571-1630

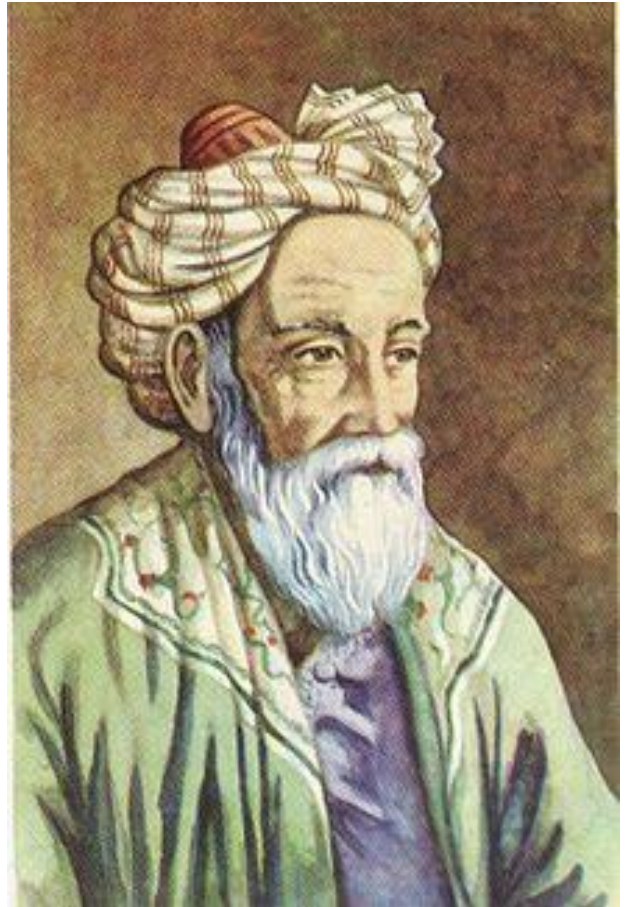
Mathematician and astronomer  
First to create accurate Laws of  
Planetary Motion



# Six Cool Facts about Omar Khayyam

1048-1131

Persian mathematician,  
astronomer, poet  
Noted for work on solutions  
to cubic equations



# Six Cool Facts about Pierre-Simon LaPlace

1749-1827

Leading creator of the field of  
mathematical physics



# Six Cool Facts about Hedy Lamarr 1914-2000



American actress whose mathematical calculations helped torpedoes in WWII, principles used today in Bluetooth and Wifi

# Six Cool Facts about Gottfried von Leibniz 1646-1716

Developed differential and integral calculus  
independently of Isaac Newton.



# Six Cool Facts about Ada Lovelace 1815-1852

Laid the groundwork for the field of  
computer programming.



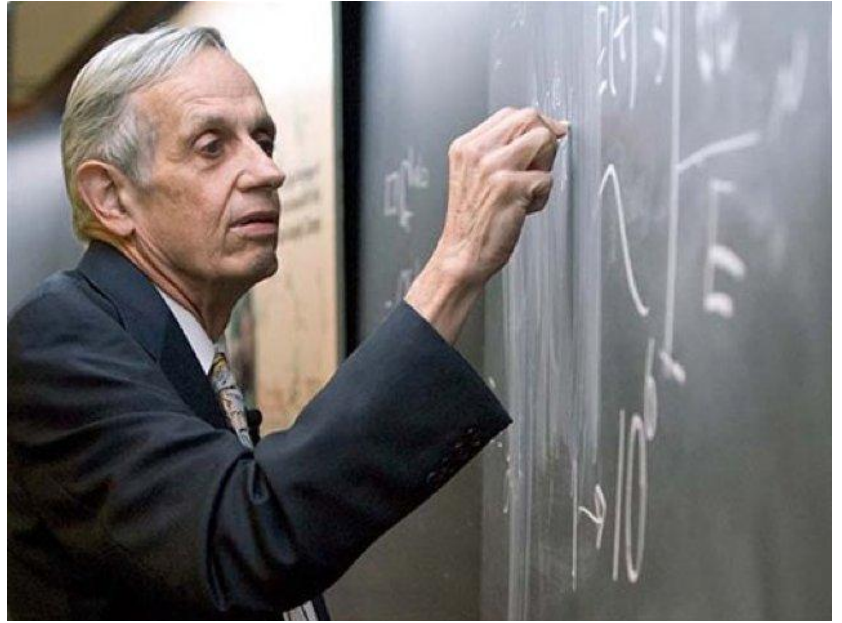


# Six Cool Facts about John Napier 1550-1617

Discovered logarithms  
Made common the use of decimals  
in math



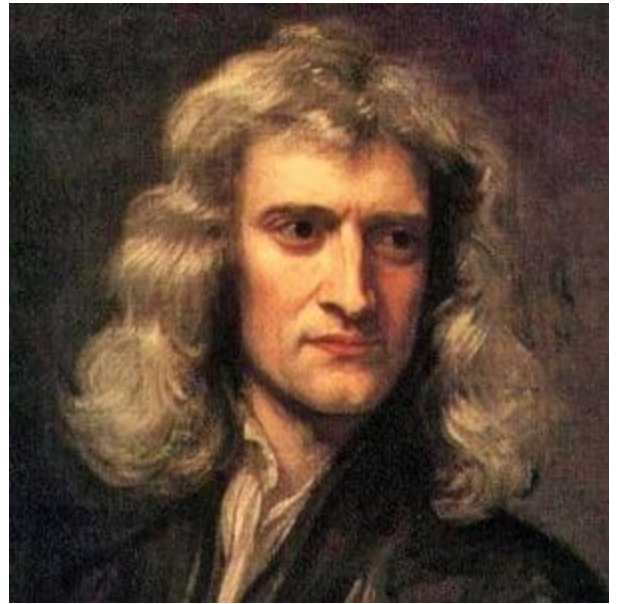
# Six Cool Facts about John Nash 1928-2015



Major contributions in the  
fields of Game Theory  
and Differential Geometry.

# Six Cool Facts about Isaac Newton

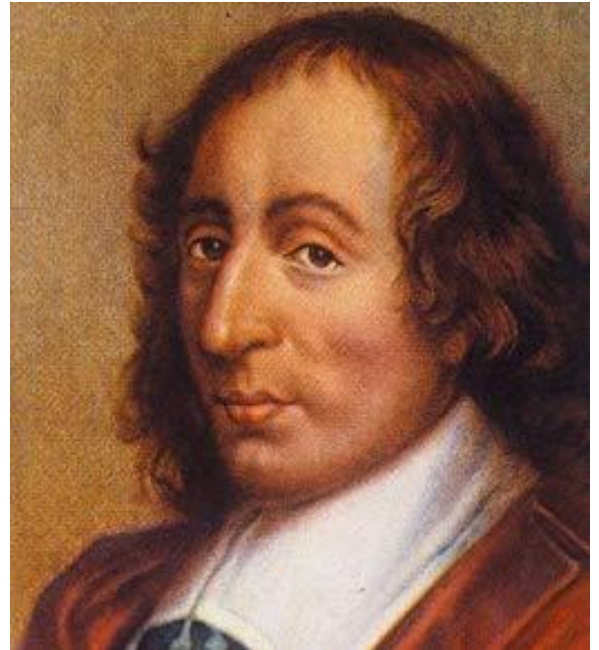
1928-2015



Developed analytical calculus.  
One of the most influential scientists  
of all time.

# Six Cool Facts about Blaise Pascal 1623-1662

One of the first two inventors of the  
mechanical calculator.  
Discovered triangle of binomial  
coefficients.



# Six Cool Facts about Ptolemy

c.100 - c.170 A.D.

Used mathematical calculations to  
create a model of the universe.

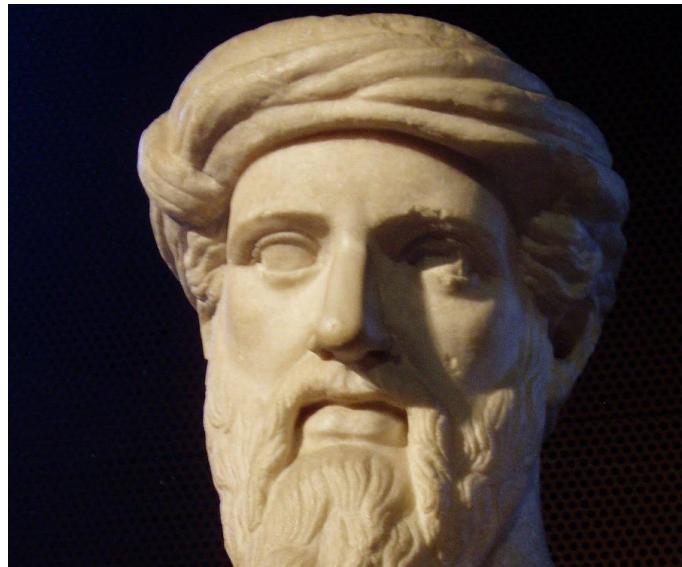
Created tables for predicting  
positions of Sun, moon, planets.



# Six Cool Facts about Pythagoras

c. 570 - c. 495 B.C.

Author of the Pythagorean  
Theorem and the Theory of  
Proportions.



# Six Cool Facts about Michael Stifel

1487-1567

First to use the term “exponents” in  
calculating powers.  
Made several innovations to  
mathematical notation.

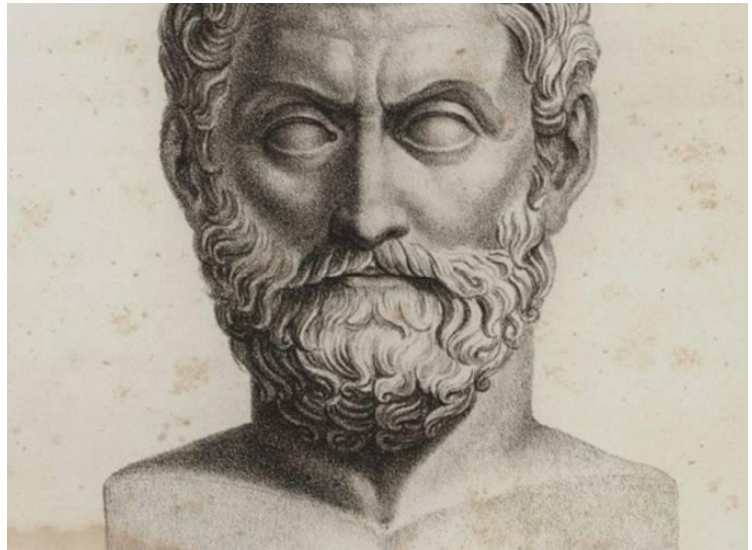


# Six Cool Facts about Thales

624 - 546 B.C.

One of the Seven Sages of  
Greece.

First to use deductive  
reasoning applied to  
geometry.





# Six Cool Facts about Alan Turing 1912-1954

Highly influential in the  
development of computer  
science.

Key role in breaking German  
ciphers during WWII.

