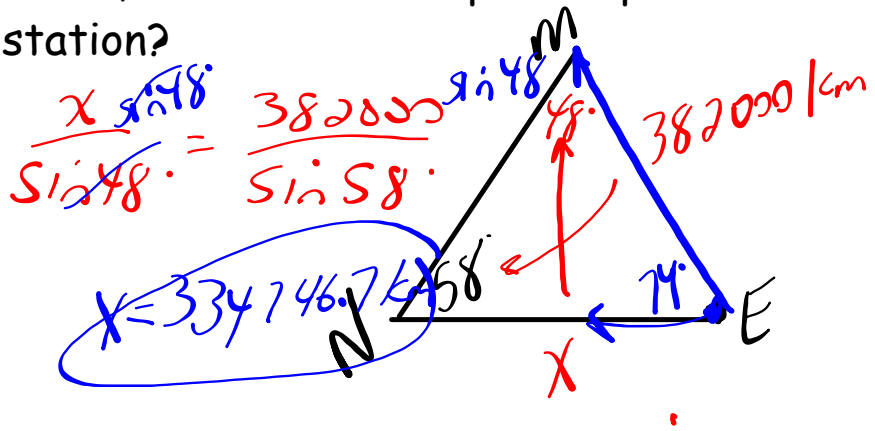
WARM-UP...

Ask yourself...

1. What am I given?
2. What am I trying to find?

EXAMPLE...

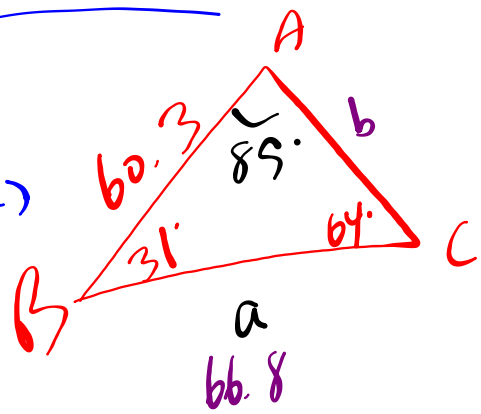
On a space flight, astronant Neil Armstrong reports that the angle formed by his lines of sight to the earth and to the moon was 58^0. At the same time, the observer on the earth reports that the angle formed by her lines of sight to the spaceship and to the moon is 74^0. If the moon is 382 000 km from the earth, how far is the spaceship from the tracking station?



HW Questions

10.7

30)



$\angle A = 85°$

$\frac{a}{\sin 85°} = \frac{60.3}{\sin 64°}$

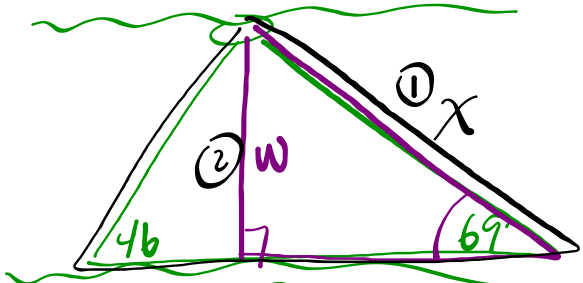
$a = 66.8$

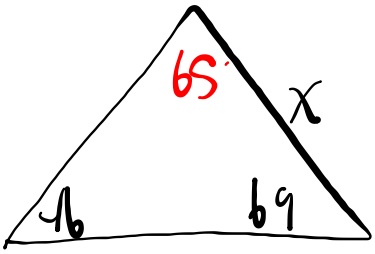
$\frac{b}{\sin 31°} = \frac{60.3}{\sin 64°}$

$b = 34.6$

10.10

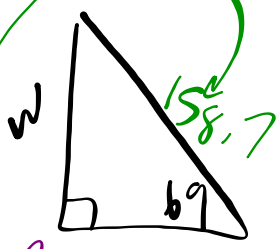
#3





$\frac{x \sin 46}{\sin 46} = \frac{200 \sin 46}{\sin 65}$

$x = 158.7$



$\frac{158.7 \sin 69}{158.7} = \frac{w}{158.7}$

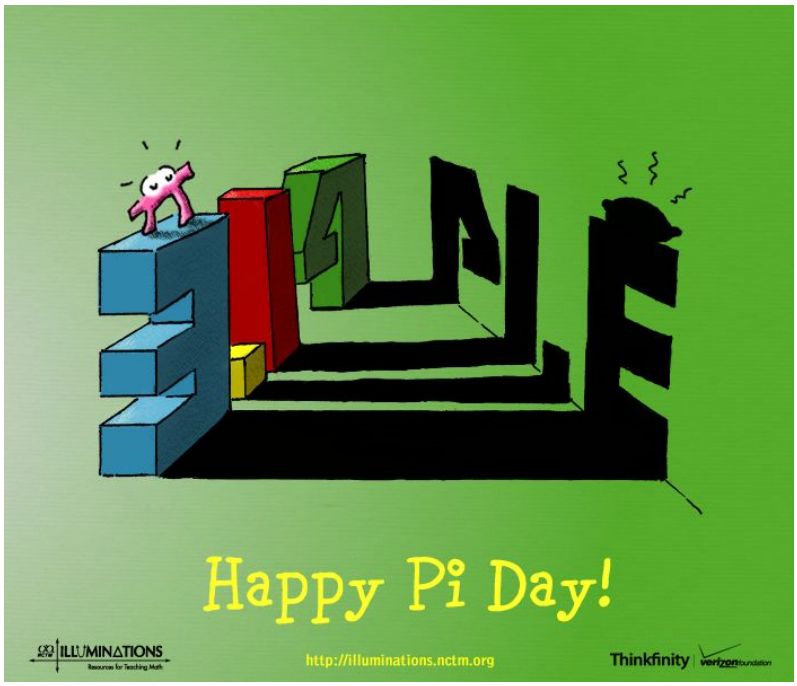
$148.2\text{m} = w$

OR

$\frac{w \sin 69}{\sin 69} = \frac{158.7 \sin 69}{\sin 90}$ (1)

$w = 148.2\text{m}$

March 14, 2014

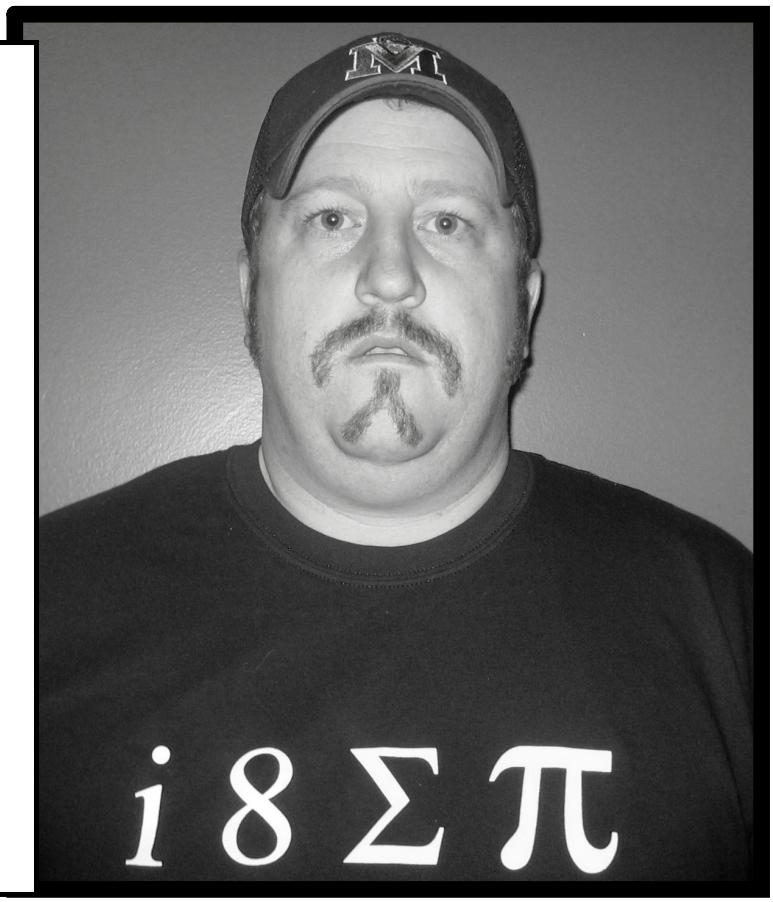


WANTED

Repeated PI Day

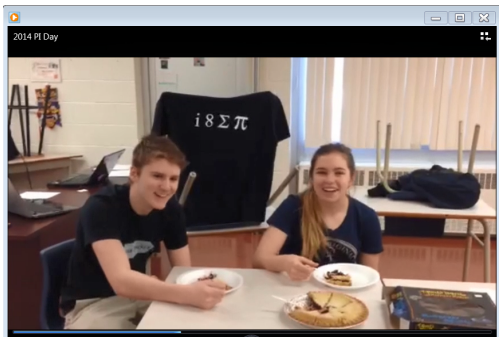
iolations...

REWARD

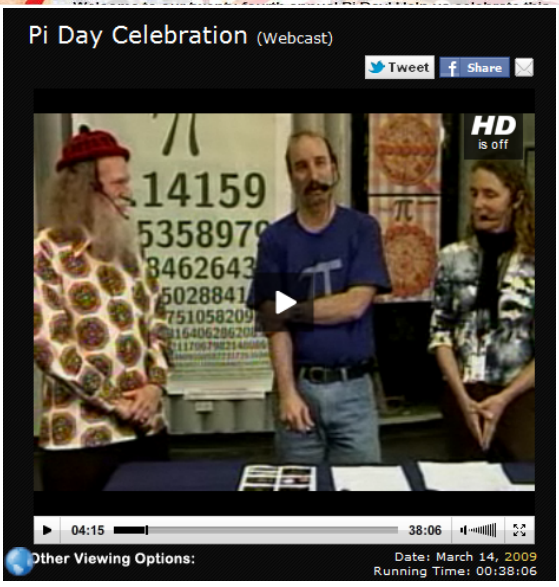


MVHS PI DAY Trailers...

MVHS π DAY ANNOUNCEMENTS...



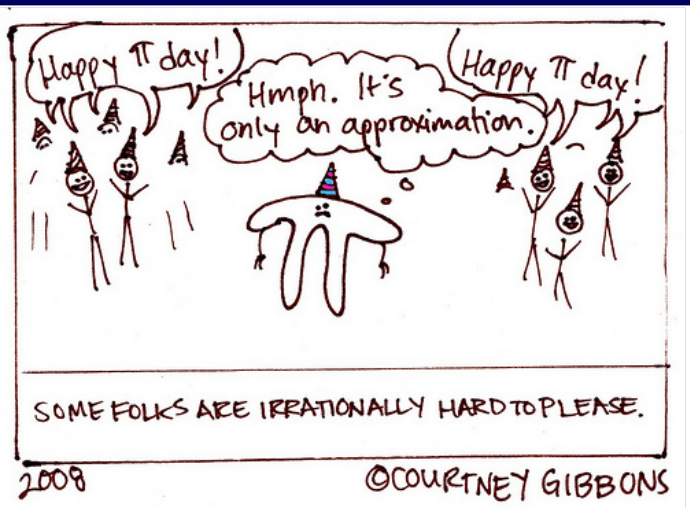
Larry Shaw
[Founder of PI Day]



PI DAY facts...

Founder: Larry Shaw (physicist)
- started in 1988
- San Francisco Exploratorium
- (2004) Daniel Tammer recited 22 514 decimal places
- US House of Representatives declare National PI Day in 2009

March 14, or 3/14 as its written numerically, is a day to celebrate Pi. Those who are looking to be more exact celebrate Pi Minute (March 14 at 1:59 pm) or Pi Second (March 14, March 14 at 1:59 pm and 26 seconds).



March 14

at

1 : 59 : 26

$\pi \approx 3.141592653589793 \ldots$

The *ultimate* "pi day" occurred on

March 14, 1592, at 6:53:59

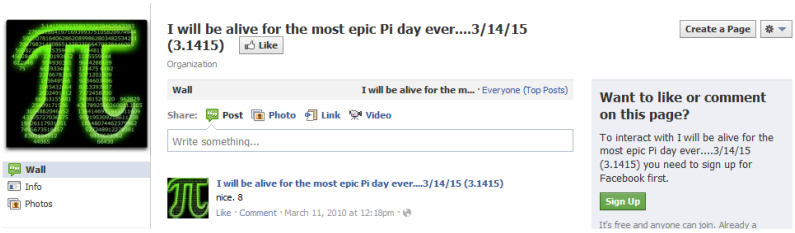
(Rounded to the nearest second)

Another ULTIMATE PI DAY??? EPIC???

March 14, 2015 - 9:26:53
WILL BE EPIC.
Why?

$3.141592653 = \pi$

http://www.ultimatepieday.com/

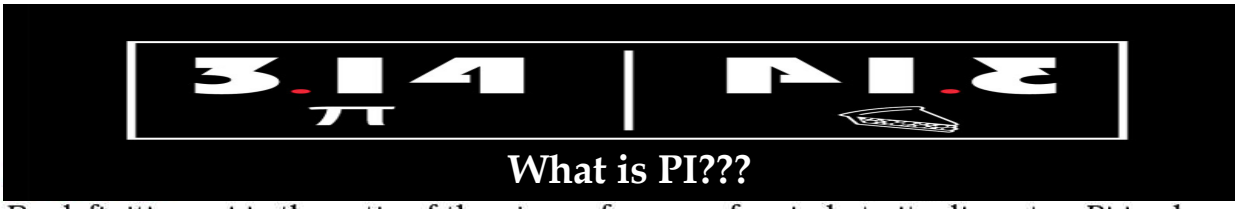


Fractional PI Day is July 22nd ...

[22/7 when written in day/month format]

Celebrate *PI* again???

http://www.mathematicianspictures.com/PI/CASUAL_PI.htm



What is PI???

By definition, pi is the ratio of the circumference of a circle to its diameter. Pi is always the same number, no matter which circle you consider. Unlike a number like 9.876 that has a finite number of nonzero digits to the right of the decimal point, pi has infinitely many digits to the right of the decimal point—and they never repeat.

Pi is a very "old" number. The Old Testament alludes to a value of 3 for pi in 1 Kings 7:23 (probably suggesting just an estimate). The ancient Egyptians and the Babylonians knew about the existence of the constant ratio pi. They figured out that it was a little larger than 3. The Babylonians had an approximation of $3\frac{1}{8}$ (3.125); the Egyptians used $4 \cdot (8/9)^2$ (about 3.160494).

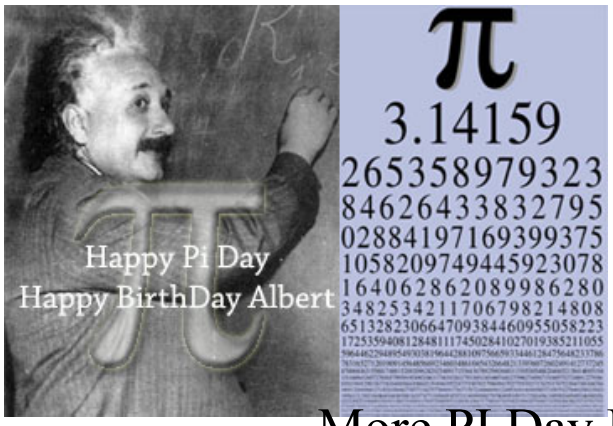
Pi (rather than some other Greek letter) was chosen as the letter to represent this ratio because the letter π in Greek stands for "perimeter."

PI DAY is all about PIE???

http://www.instructables.com/contest/piecontest/

MVHS Contest...winner gets PizzaPI certificate!

Happy Birthday to you, Happy Birthday to you, Happy Birthday...



Albert Einstein a theoretical physicist, was the recipient of the Nobel Peace Prize, in 1921, for his explanation of the "Photoelectric Effect". But his name will forever be synonymous with $\mathbf{E=mc^2}$ The Theory of Relativity.

Above his Desk at Princeton University, is the following quotation **"Not everything that counts can be counted, and not everything that can be counted counts".**

born... March 14, 1879 - ULM, Germany.
died... April 18, 1955 - Princeton, New Jersey, USA.

More PI Day Birthday Celebrations...

Pi Day Jokes

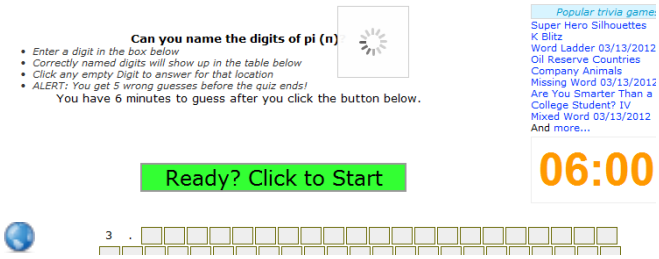
Q: What do you get when you cut a jack o'lantern by its diameter?
A: Pumpkin Pi!

Q: What do you get when you take green cheese and divide its circumference by its diameter?
A: Moon Pi.

Q: What do you get when you take the sun and divide its circumference by its diameter?
A: Pi in the sky.

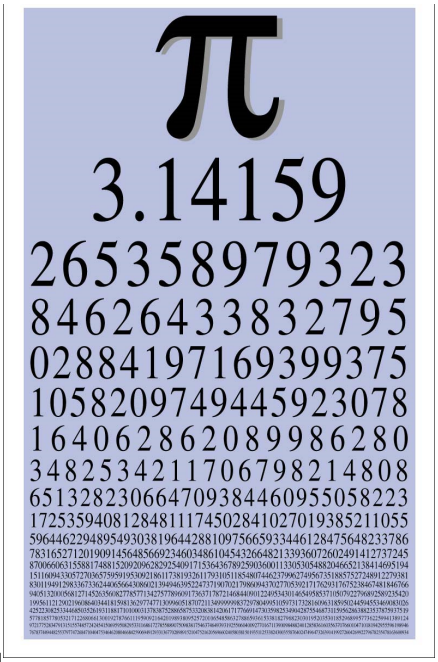
Mathematician: Pi r squared
Baker: No! Pies are round, cakes are square!

How Well Do You Know π???



GIVE IT A TRY...Today @ 12

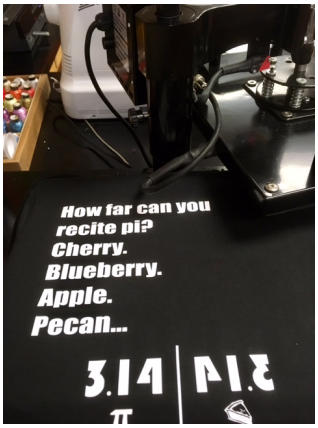
PIZZA PI Certificate

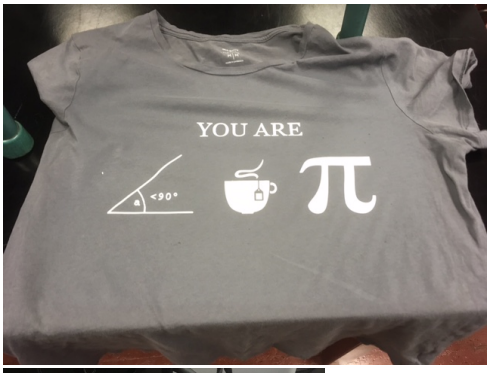

π
3.14159
265358979323
846264338327795
028841971693993751
058209749445923078
164062862089986280
348253421170679821480865
132823066470938446095505822317
253594081284811174502841027019385211055
596446229489549303819644288109756659334461284756482337867
831652712019091456485669234603486104543266482133936072602491412737245
870066063155881748815209209628292540917153643678925903600113305305488204665213841469519415116094330573206575959195930921861173819326117931051185480744623799627495673518857527248912279381
830119491298336735624406566430860213949463952247371907021798609437027705392171761931767523846748184676694052132010568127145263560827785771342757786969173637178721468440190122495343014654958537110507922796902580235420195611212902196086403441815981362977477130996051870721134999990837297804995105973173720160963185950244594553469083026425228282534466850352819311887310003137838752860557332863612361717569147301598253496278594687311595628638823573797317357187857785321712268606413301927856111959021642319893809527201953485663278662591551381827968226191192351931855816892577162259941391245725775304761515574872824768695982035516462727859885759457364769191759440692735017596169873181983829759610846787074844025737973738473944575704642864602799449120130767208905720475263699662498503819195752351024346597858426393602498502891241273826783859

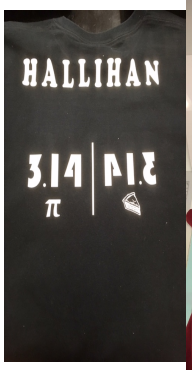
Some Pi Day Shirts...

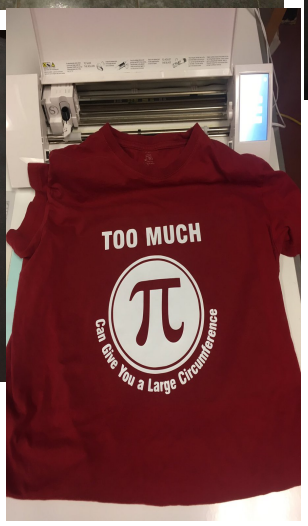
My Favourite...

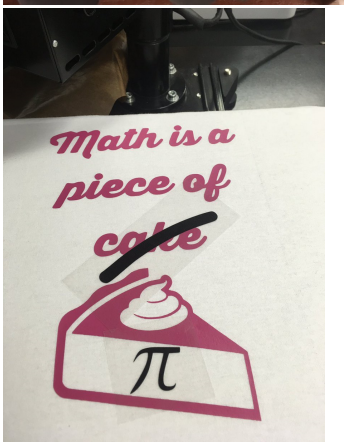
i 8 Σ π


How far can you recite pi?
Cherry.
Blueberry.
Apple.
Pecan...
3.14

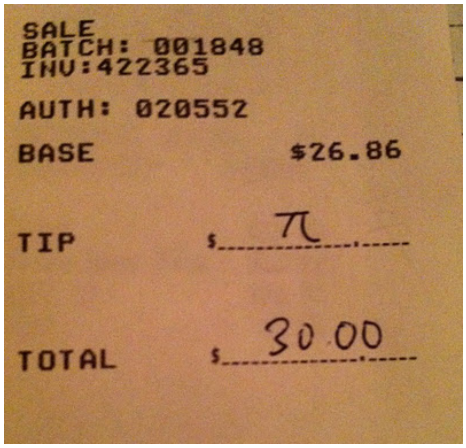

YOU ARE
π


HALLIHAN
3.14
π


TOO MUCH
π
Can Give You a Large Circumference


Math is a piece of cake
π

π-stuff!!!

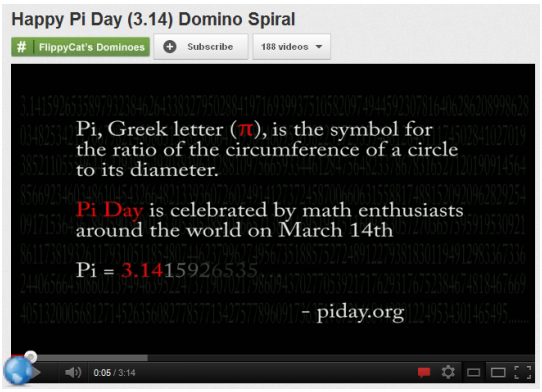

SALE
BATCH: 001848
INV:422365
AUTH: 020552
BASE $26.86
TIP $ π
TOTAL $ 30.00

Helping Little Hands
π in the Oven
π

π
GIVENCHY
PARIS
π
GIVENCHY

Pi Day News...

MSNBC
UP WITH STEVE KORNACKI
LIVE MAR 14
msnbc
3 14 15
9:26:53 AM
.141592653...

thepulse
PIZZA PI PROMOTION: MATH CONTEST
PRIZE IS 3.14 YEARS OF FREE HUT PIZZA
ATM
abcNEWS

Pi Day Accomplishments???