

WARM-UP...

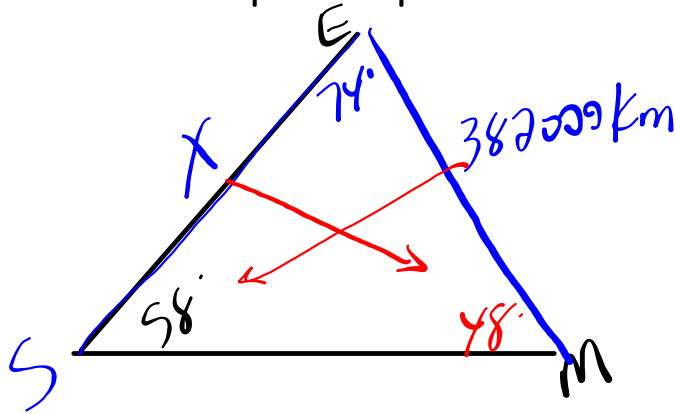
Ask yourself...

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



EXAMPLE...

On a space flight, astronaut Neil Armstrong reports that the angle formed by his lines of sight to the earth and to the moon was 58° . 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° . If the moon is 382 000 km from the earth, how far is the spaceship from the tracking station?



$$\frac{a}{\sin A} = \frac{b}{\sin B}$$

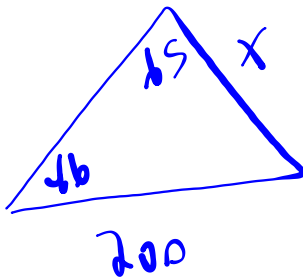
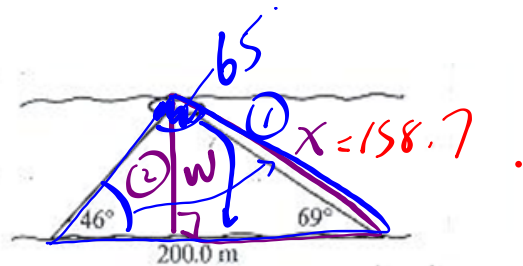
$$\frac{X \sin 48^\circ}{\sin 74^\circ} = \frac{382000 \sin 74^\circ}{\sin 58^\circ}$$

$$X = 334746.7 \text{ km}$$

HW Questions

17.10 #3

- 3 Along one bank of a river with parallel banks, a surveyor places a base line measuring 200.0 m as shown. From each end of the base line, a rock is sighted on the other bank of the river. The lines of sight of the rock make angles of 46° and 69° with the base line. Find the width of the river.



$$\textcircled{1} \frac{x \sin 46^\circ}{\sin 69^\circ} = \frac{200 \sin 46^\circ}{\sin 65^\circ}$$

$$x = 158.7$$

$$\textcircled{2} \frac{158.7 \sin 69^\circ}{\sin 90^\circ} = \frac{w \sin 46^\circ}{\sin 90^\circ}$$

$$158.7 \sin 69^\circ = w$$

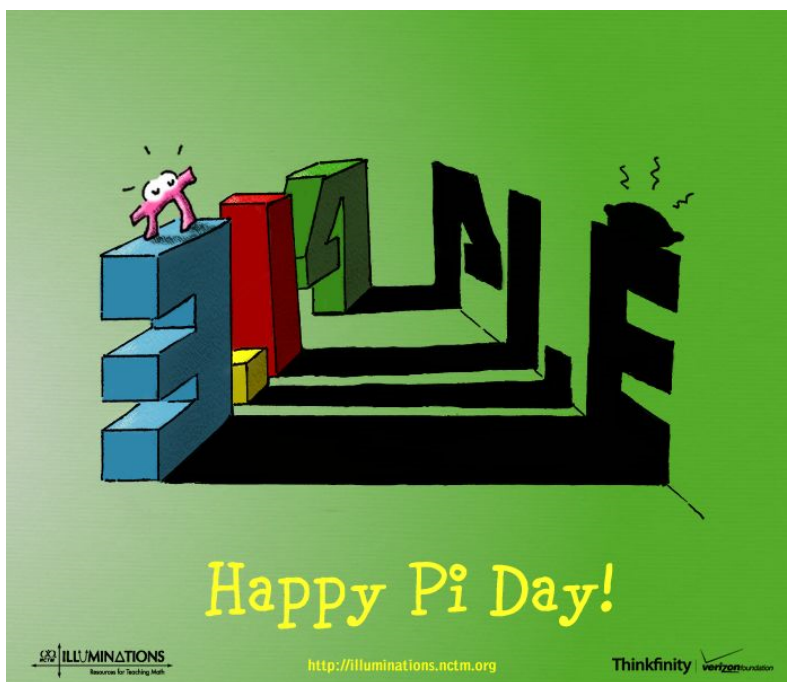
$$148.2 \text{ m} = w$$

OR

$$\frac{w \sin 69^\circ}{\sin 90^\circ} = \frac{158.7 \sin 69^\circ}{\sin 90^\circ}$$

$$w = 148.2 \text{ m}$$

March ~~15~~¹⁴, 2018

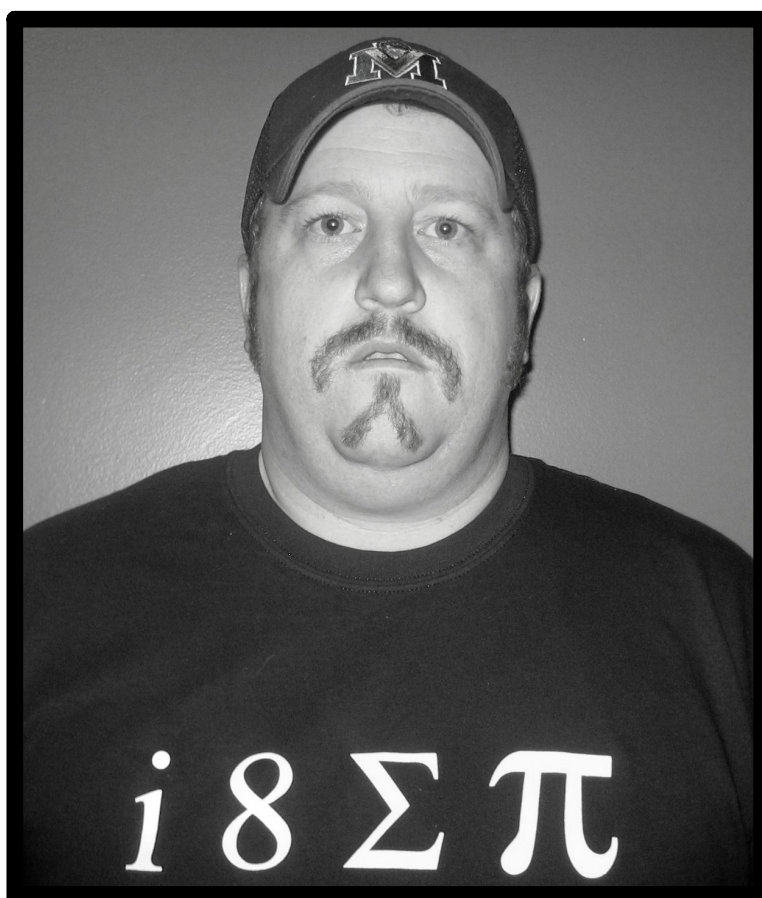


ANTED

ated PI Day

ations...


EWARD



MVHS PI DAY Trailers...

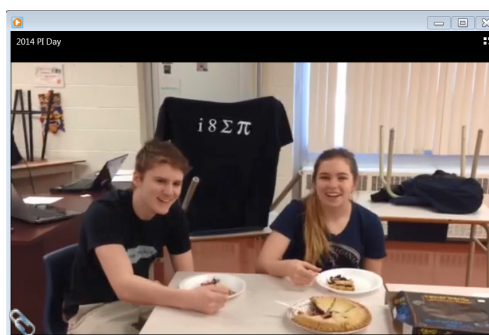


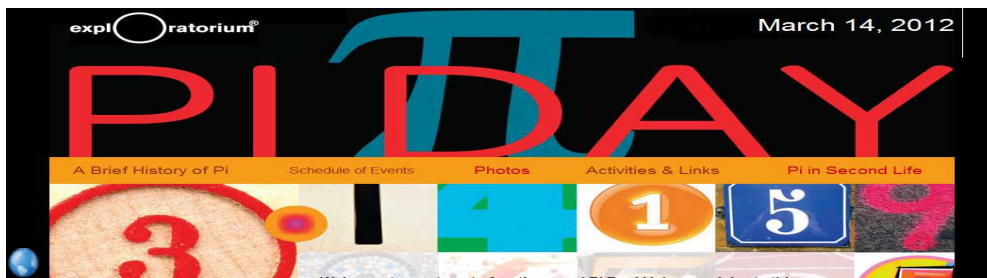
MVHS π DAY ANNOUNCEMENTS...

 **Miramichi Valley High School**
345 McKenna Ave. Miramichi, NB, E1V 3S9
Tel: 506 827-4083 Fax: 506 822-2977

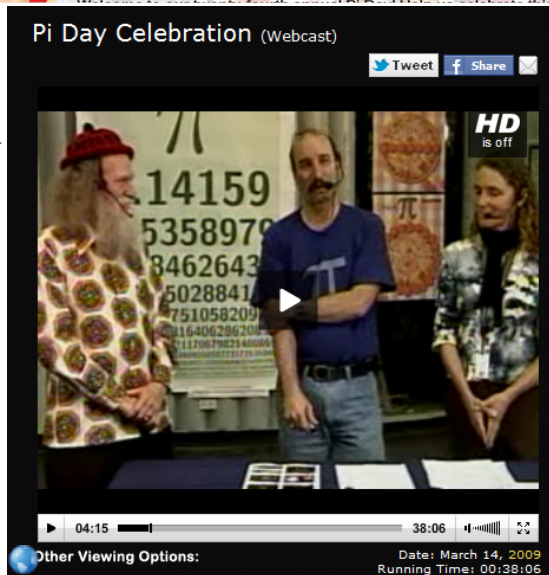
Home | News | Teacher Pages | Sports | Clubs | Staff | Pulamoo Gear | School Documents

Announcements for Monday March 14, 2011





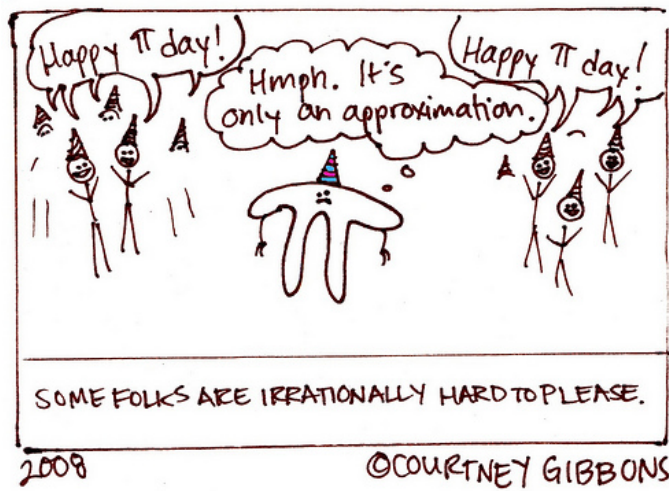
Larry Shaw
[Founder of PI Day]



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



$$\pi \approx 3.14159265358979 \dots$$

The *ultimate* “pi day” occurred on

March 14, 1592, at 6:53:59
(Rounded to the nearest second)

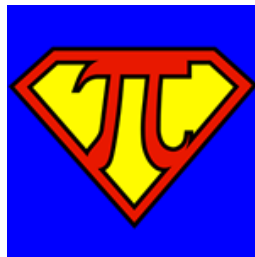
Another ULTIMATE PI DAY??? EPIC???

March 14, 2015 - 9:26:53

WILL BE EPIC.

Why?

$$3.141592653 = \pi$$



<http://www.ultimatepiaday.com/>



- Wall
- Info
- Photos

I will be alive for the most epic Pi day ever....3/14/15
 (3.1415) [Like](#)

Organization

Wall I will be alive for the m... - Everyone (Top Posts)

Share: [Post](#) [Photo](#) [Link](#) [Video](#)

Write something...



I will be alive for the most epic Pi day ever....3/14/15 (3.1415)
 nice. 8

Like · Comment · March 11, 2010 at 12:18pm · ♪

[Create a Page](#)

Want to like or comment on this page?

To interact with I will be alive for the most epic Pi day ever....3/14/15 (3.1415) you need to sign up for Facebook first.

[Sign Up](#)

It's free and anyone can join. Already a

Fractional PI Day is July 22nd ...

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



22/7
CASUAL PI DAY
JULY 22
PI APPROXIMATION DAY

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.”

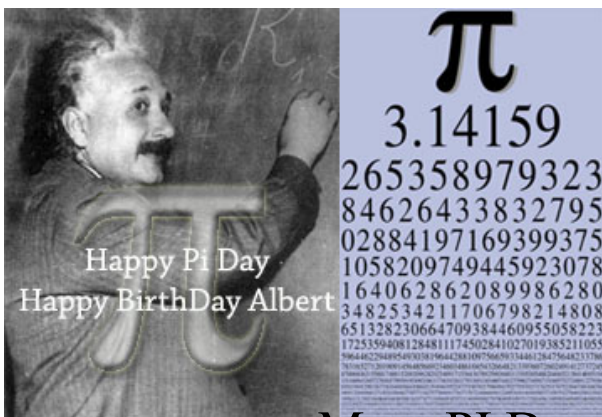
PI DAY is all about PIE???

<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 $E=mc^2$ 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?

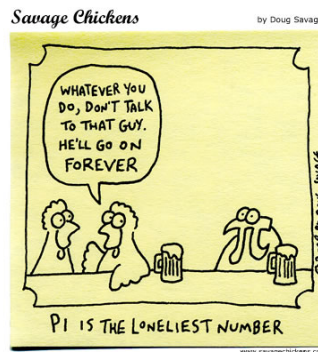
A: Moon Pi.

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

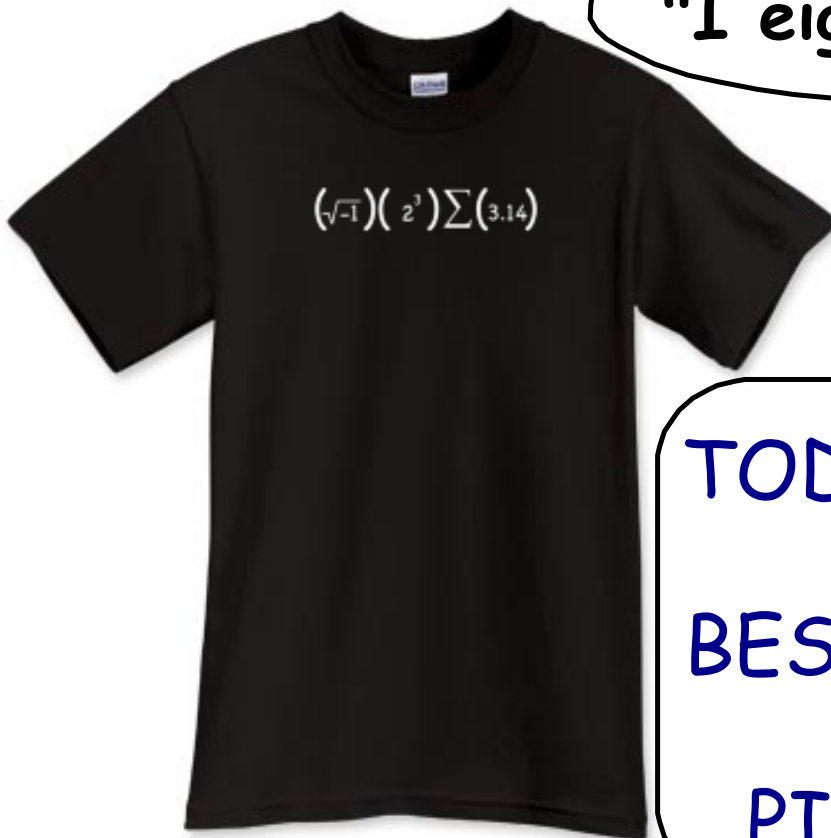
Baker: No! Pies are round, cakes are square!



Some Pi Day Shirts...

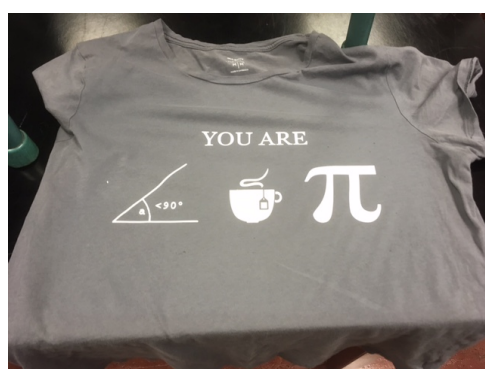
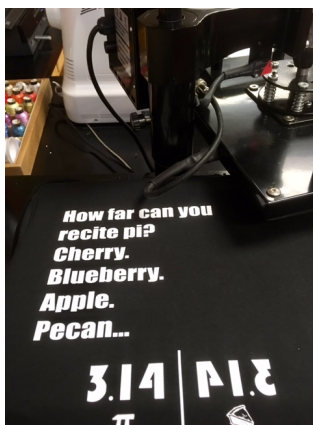


My Favourite...



"I eight sum PI"

TODAY @ 12...
BEST T-Shirt
PIZZA PI!!!





π-stuff!!!



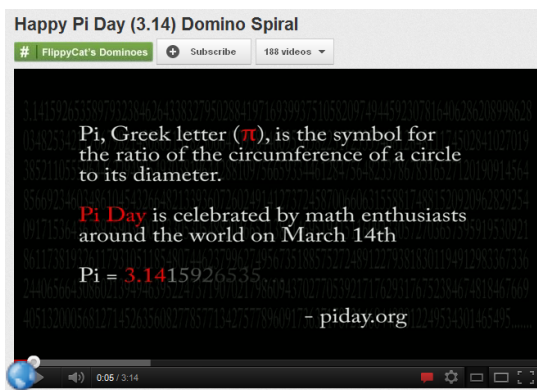
SALE
BATCH: 001848
INU: 422365
AUTH: 020552
BASE \$26.86
TIP \$ π
TOTAL \$ 30.00



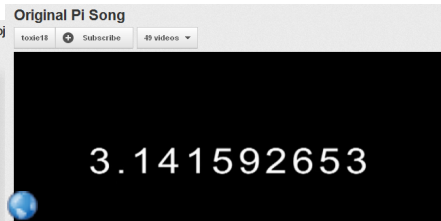
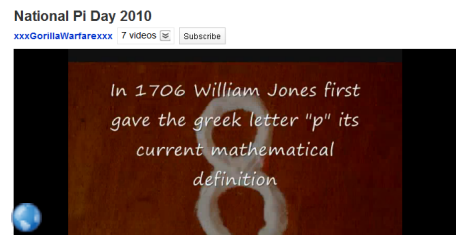
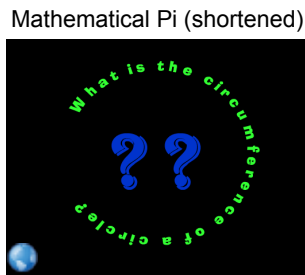
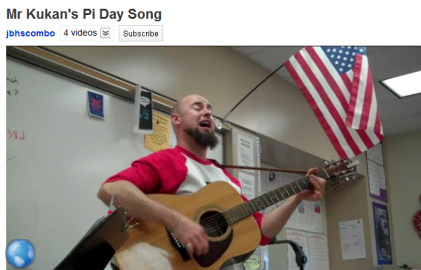
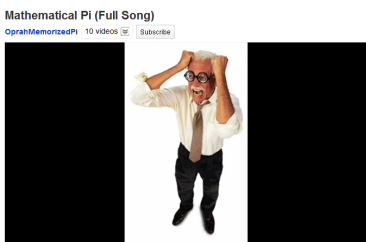
Pi Day News...



PI Day Accomplishments???



Pi Day Songs / Videos...



Who else talks about π ???



2013 π Project...

PI DAY SHAKE - gone viral???

2012 π Projects...going viral???



pi day song.avi

