



# Pi Day

at

MO  MATH

MUSEUM OF MATHEMATICS



# Pi Song Lyrics



# $\pi$ Pi

## Pi Song Lyrics

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SONG TITLE:

**Pi**

TO THE TUNE OF:

**Original**

WRITER:

**Cameron Winter,  
Age 10**

It's the mathematical constant that's a ratio  
of circumference to diameter of a circular O  
You can't use a ruler or a piece of string  
you'll need a super computer and years of training

Leonard Euler got right into pi  
in the works that he published in 1749  
and the polygon era in 250 B.C.(E)  
was lead by none other than Archimedes

CHORUS:

3.1415926538979323846264338327950288419716,

CONTINUED →



$\pi$

## Pi Song Lyrics

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SONG TITLE:

**Pi**

TO THE TUNE OF:

**Original**

WRITER:

**Cameron Winter,  
Age 10**

VERSE 2:

Pecan, apple, blueberries,  
I even taste good when I'm stuffed with peas  
Key lime, Lemon, Rhubarb,  
I'm even delicious when I'm filled with lard,

I'm not even ashamed that I make you fat-  
Bacon and egg pie, resist that.  
and ol' pizza pie is always a hit,  
but if eat too much your heart'll stop for a bit

CHORUS:

3.1415926538979323846264338327950288419716,

CONTINUED →



$\pi$

## Pi Song Lyrics

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SONG TITLE:

**Pi**

TO THE TUNE OF:

**Original**

WRITER:

**Cameron Winter,  
Age 10**

VERSE 3:

I'm an Indian boy who was on a boat,  
until it sunk and I was left afloat  
but I didn't realize 'til a day or more,  
I was stuck with a tiger 'thousand miles from shore

So I lost all my food, to a giant whale  
and almost didn't live to tell the tale  
Yep, the boy with scraggly hair, it's me,  
don't mean to boast, but we won an Oscar for  
cinematography plus Ang Lee

CHORUS:

3.1415926538979323846264338327950288419716,

- 3.14159 That's pi!



# What Does the Pi Say

## Pi Song Lyrics

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SONG TITLE:

**What Does the Pi Say**

TO THE TUNE OF:

**What Does the Fox Say by Ylvis**

WRITER:

**Student of Sabato Torres Age 12**

There's a number that we should know  
But in word form that number is pi  
The sixteenth letter of the Greek alphabet  
The numerical value of the ratio  
The circumference of a circle to its diameter  
But there's one thing that we all know  
Pi never has an end!

3.14159

265358

9793238

What does the pi say!

4626433

832795

0288419

what does the pi say

7169399

375105

8209749

what does the pi say

CONTINUED →



$\pi$

## Pi Song Lyrics

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SONG TITLE:

**What Does the Pi Say**

TO THE TUNE OF:

**What Does the Fox Say by Ylvis**

WRITER:

**Student of Sabato Torres Age 12**

4459230

7816406

2861174

what does the pi say

It's really hard and complicated

fractions such as  $22/7$

mathematicians have attempted

to extend their meaning of pi

pi has no end that's what we know

it's really really long

but if you get it we understand

because you are really smaaaart smaaaart smaaart

how do you get thaaat

piii piii piii

what does the pi say

5028410

2701938

5211055

what does the pi say

5964462

2948954

9303819

CONTINUED →



## Pi Song Lyrics

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SONG TITLE:

**What Does the Pi Say**

TO THE TUNE OF:

**What Does the Fox Say by Ylvis**

WRITER:

**Student of Sabato Torres Age 12**

what does the pi say

6442881

0975665

9334461

what does the pi say

2847564

8233606

3155881

what does the pi say

the secret of the pi

it really is a mystery

it has a lot of digits

I know there's so many

what is your meaninggggg

because I need to know

is it a mystery

when do you enddddddddddddddddddddddddddddddddd

you're my lessons

hiding in those books

what do you sayyyyy

will we ever know

cause I need to know I need to know I need to know





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# The Sine of Pi

## Pi Song Lyrics

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SONG TITLE:

**The Sine of Pi**

TO THE TUNE OF:

***The Longest Time***  
**by Billy Joel**

WRITER:

**Eric McDowell,**  
**Adult**

Further than the negatives go on;  
Less than every valid epsilon;  
That's where I find you,  
You're the only unsigned value.  
My central figure, you're the Sine of Pi.

You're the fairest factor I can name;  
You treat all real numbers just the same.  
You're the result of  
Every product you're a part of -  
You send each number to the Sine of Pi.

While the others try to alter me,  
You're my additive identity.  
That disallows you -  
You won't try to change my values.  
I'm glad I'm added to the Sine of Pi.

CONTINUED →



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## Pi Song Lyrics

---

SONG TITLE:

**The Sine of Pi**

TO THE TUNE OF:

***The Longest Time***  
**by Billy Joel**

WRITER:

**Eric McDowell,**  
**Adult**

No one noticed you at the start;  
The traits of your heart  
Are hard to impart.  
Now we know the number that you are;  
You've helped us come this far,  
And you're more than we hoped for.

Cruel divisors posing as my friend  
Treat me like some common dividend.  
But you won't try to –  
I can't be divided by you;  
There's no one like you, you're the Sine of Pi.

If you should subtract yourself from me  
The difference you would leave  
Would equal only me.  
Should I take myself away from you,  
That act would turn me into  
My additive inverse.

CONTINUED →



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## Pi Song Lyrics

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SONG TITLE:

**The Sine of Pi**

TO THE TUNE OF:

***The Longest Time***  
**by Billy Joel**

WRITER:

**Eric McDowell,**  
**Adult**

When I write one-hundred-million-two  
I use seven images of you.  
Your lovely faces,  
They all hold my empty places;  
I fill those spaces with the Sine of Pi.



## Pi Song Lyrics

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SONG TITLE:

**Lucy Tuning Pi  
with Diamonds**

TO THE TUNE OF:

***Lucy in the Sky  
with Diamonds* by  
The Beatles**

WRITER:

**Rebecca Mercuri,  
Adult**

# Lucy Tuning Pi with Diamonds

Picture yourself in a world without angles  
Where tangent of 90 is not undefined  
Circumference of unit diameter circle  
Is three point one four one five nine

Petals of flowers go spiraling 'round  
With ratios golden and red [1]  
Brightness of light of the sun in your eyes  
Inverse-square

Lucy tuning [2] Pi with diamonds  
Lucy tuning Pi with diamonds  
Lucy tuning Pi with diamonds  
Aaaaahhhh...

CONTINUED →



$\pi$

## Pi Song Lyrics

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SONG TITLE:

**Lucy Tuning Pi  
with Diamonds**

TO THE TUNE OF:

***Lucy in the Sky  
with Diamonds* by  
The Beatles**

WRITER:

**Rebecca Mercuri,  
Adult**

Laminar bubbles [3] will animate fountains  
With tiny computers called Raspberry Pi's  
Everyone smiles at the Fibonacci flowers  
The Level 3 Pi in the sky [4]

Newton and Kepler found orbiting Pi  
Keeps us from flying away  
Pyramid great [5] with its head in the clouds  
Polygon [6]

Lucy tuning Pi with diamonds  
Lucy tuning Pi with diamonds  
Lucy tuning Pi with diamonds  
Aaaaahhhh...

Picture yourself on a train hearing Doppler  
With sinusoid wavefronts phased Pi over 2  
Beautifully infinite and transcendental

CONTINUED →



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## Pi Song Lyrics

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SONG TITLE:

**Lucy Tuning Pi  
with Diamonds**

TO THE TUNE OF:

***Lucy in the Sky  
with Diamonds* by  
The Beatles**

WRITER:

**Rebecca Mercuri,  
Adult**

The proof of irrational Pi [7]

Lucy tuning Pi with diamonds  
Lucy tuning Pi with diamonds  
Lucy tuning Pi with diamonds  
Aaaaahhhh...

[repeat Pi times then fade out]

## **FOOTNOTES FOR UNCOMMON REFERENCES:**

[1] Plant flowering is affected by red:far-red light ratio.  
<http://aob.oxfordjournals.org/content/96/2/169.full.pdf>

[2] Lucy Tuning - a musical scale based on Pi intervals.  
[http://www.lucytune.com/new\\_to\\_it/pitch\\_01.html](http://www.lucytune.com/new_to_it/pitch_01.html)

[3] Calculations for Laminar Flow Water Fountains based on Pi.  
<http://hackedgadgets.com/2012/04/09/diy-laminar-flow-water-fountains/>

[4] Pi Stage 25 password for This is the Only Level 3 game.  
<https://armorgames.com/community/thread/9033426/this-is-the-only-level-3>

[5] Phi, Pi and the Great Pyramid of Egypt at Giza  
<http://www.goldennumber.net/phi-pi-great-pyramid-egypt/>

[6] Pi and Archimedes Polygon Pi Approximation  
[https://www.math.dartmouth.edu/~m56s13/Han\\_proj.pdf](https://www.math.dartmouth.edu/~m56s13/Han_proj.pdf)

[7] Elementary Proof that Pi is Irrational  
<http://www.coolissues.com/mathematics/Pi/pi.htm>



**Pi-Ku**





$\pi$   
Pi-Ku

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WRITER:  
**Zander Pierson,**  
**Age 10**

**A number**

**A number with an infinite decimal  
expansion**

**Irrational, no fraction form, the  
legendary great Pi**



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Pi-Ku

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WRITER:  
**Andrew Binder,**  
Age 10

## What is Pi?

**Pi is a transcendental number; it's a  
ratio,**

**An infinite decimal expansion, very  
close to 3**



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Pi-Ku

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WRITER:  
**Student of Sabato  
Torres, Age 12**

**Numero**

**Principio pero no tiene fin en la vida**

**Siempre va a existir para ser el valor de  
Pi**



$\pi$   
Pi-Ku

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WRITER:  
**Sidney Querida,**  
**Age 14**

**Pi is math.**

**Pi is used in math to find out the  
circumference, okay?**

**The numbers of pi are irrational so they  
do not end.**



$\pi$   
Pi-Ku

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WRITER:  
**Douglas  
Monasebian.  
Adult**

**Greek letter**

**Irrational, constant, transcendental,  
ubiquitous**

**Circumference over diameter, ad  
infinitum**



$\pi$   
Pi-Ku

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WRITER:  
**Mike Keith,  
Adult**

**It's a moon,**

**A wheel revolving on golden earth, and  
lotus blossoms.**

**Mountains embrace windmills, and it all  
reflects this number, pi.**

NOTE: counting the number of letters in each successive word of the poem reveals the first 22 digits of pi:

It's (3 letters) a (1 letter) moon (4) A (1) wheel (5)  
revolving (9) on (2) golden (6) earth(5) and(3) lotus (5)  
blossoms (8) Mountains (9) embrace (7) windmills (9)  
and (3) it (2) all (3) reflects (8) this (4) number (6) pi (2).



# Pi Day Cards

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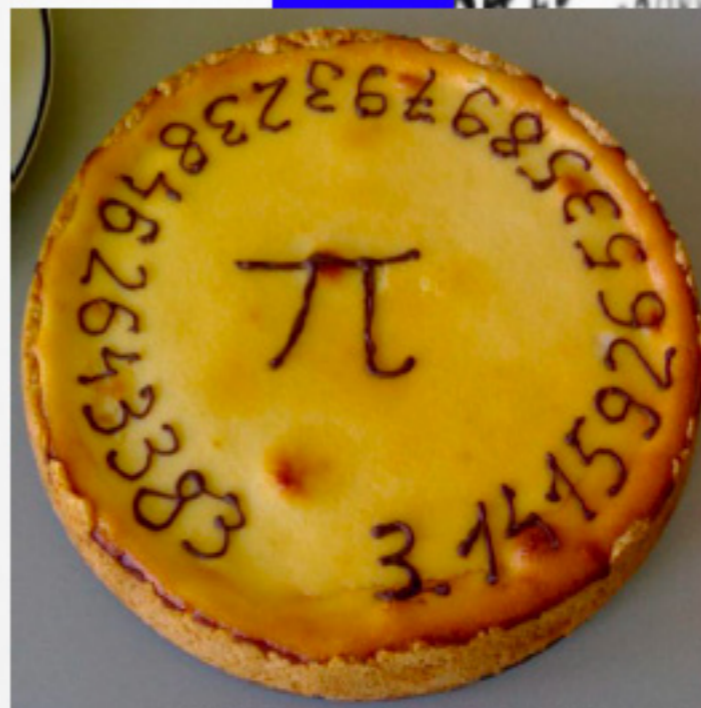
## Pi Day Cards

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DESIGNER:

**Jackeline Claros,  
Age 11**

Happy Birthday!  
Remember to come  
because we have  
Pi!!!





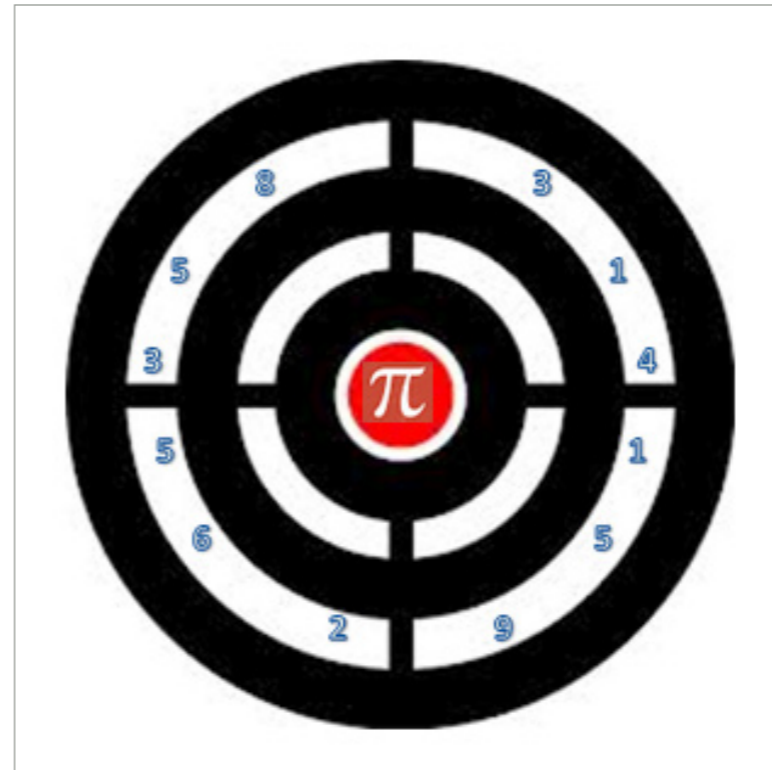
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## Pi Day Cards

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DESIGNER:

**Student of Sabato  
Torres, Age 12**





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## Pi Day Cards

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DESIGNER:  
**Kate Reiser,**  
**Age 15**



March 14  
*Happy  $\pi$  Day*

$\pi$

## Pi Day Cards

DESIGNER:

**Danielle Elvin,**  
Age 17



$\pi$

## Pi Day Cards

DESIGNER:  
Rebecca Klemm,  
Adult

**HAPPY  
Pi  
Day!**





**Happy  
Pi Day!**