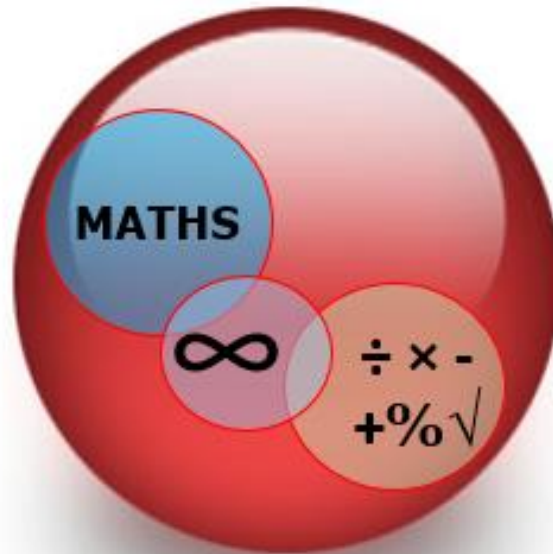


Mathematical Skills Across The Curriculum



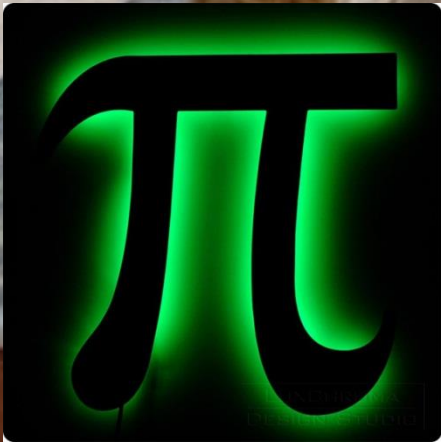
What's special about this date?

When the date is written in a certain way it gives it a new meaning.

14th March

14th March when written "3.14" gives us the first 3 digits of Pi (π) - hence National Pi Day.

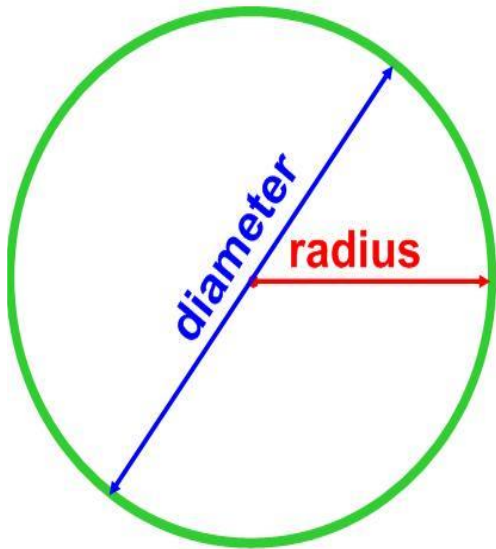
But how well do you know the number Pi?
What subjects would you use it in?



The number π is a mathematical constant, the ratio of a circle's circumference to its diameter, commonly approximated as 3.14

In school you'll use Pi in...

...D&T - to work out the circumference and area of circles.

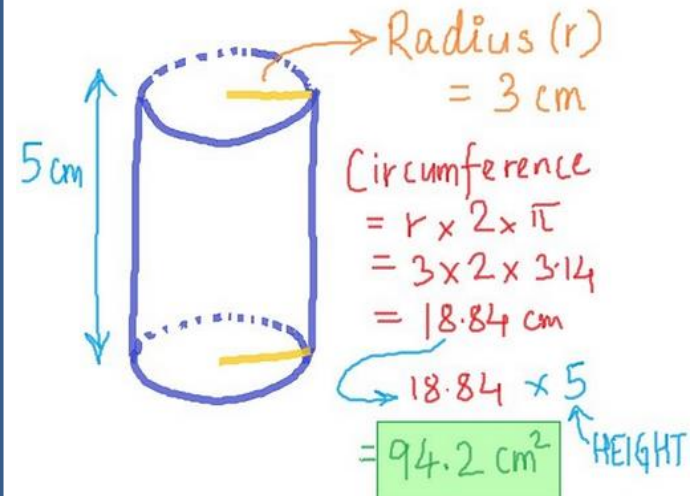


Area of a circle
 $= \pi \times \text{radius}^2$

Circumference of a
circle $= \pi \times \text{diameter}$

remember that the
diameter = 2 x radius

...**Mathematics** -
to work out the
surface area and
volume of
spheres and
cylinders.



The next slide shows Pi to around 200 digits.

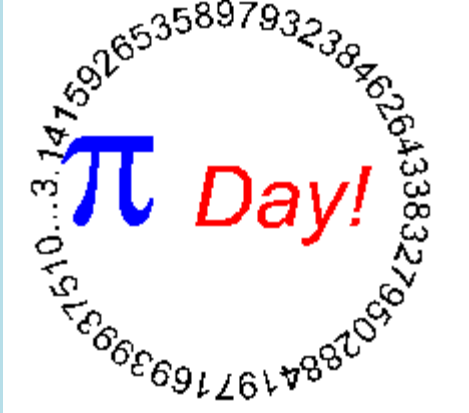
Task: How many digits can you memorise it to
in one minute?

Hold a competition in your tutor groups to see
who can recite the most digits !

3.141592653589793238462643
3832795028841971693993751
0582097494459230781640628
6208998628034825342117067
9821480865132823066470938
4460955058223172535940812
8481117450284102701938521
1055596446229489549303819
6442881097566593344612847

Did you know that:

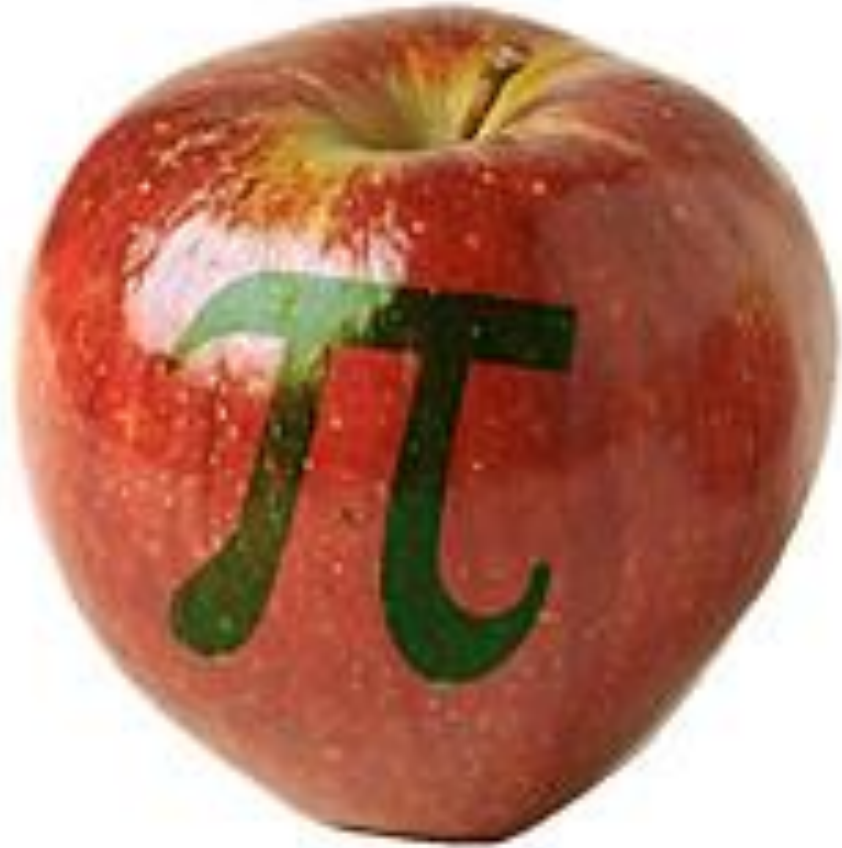
- The value of pi has now been calculated to more than two trillion decimal places.
- 0 is the only digit that does not appear in the first 32 digits of pi?
- The millionth digit of pi is 1.
- Albert Einstein was born on Pi day.
- In the Greek alphabets, Pi is the sixteenth letter. In English p is also sixteenth letter.



Task: Pi Dingbats.
(Say What You See)

How many can you guess?

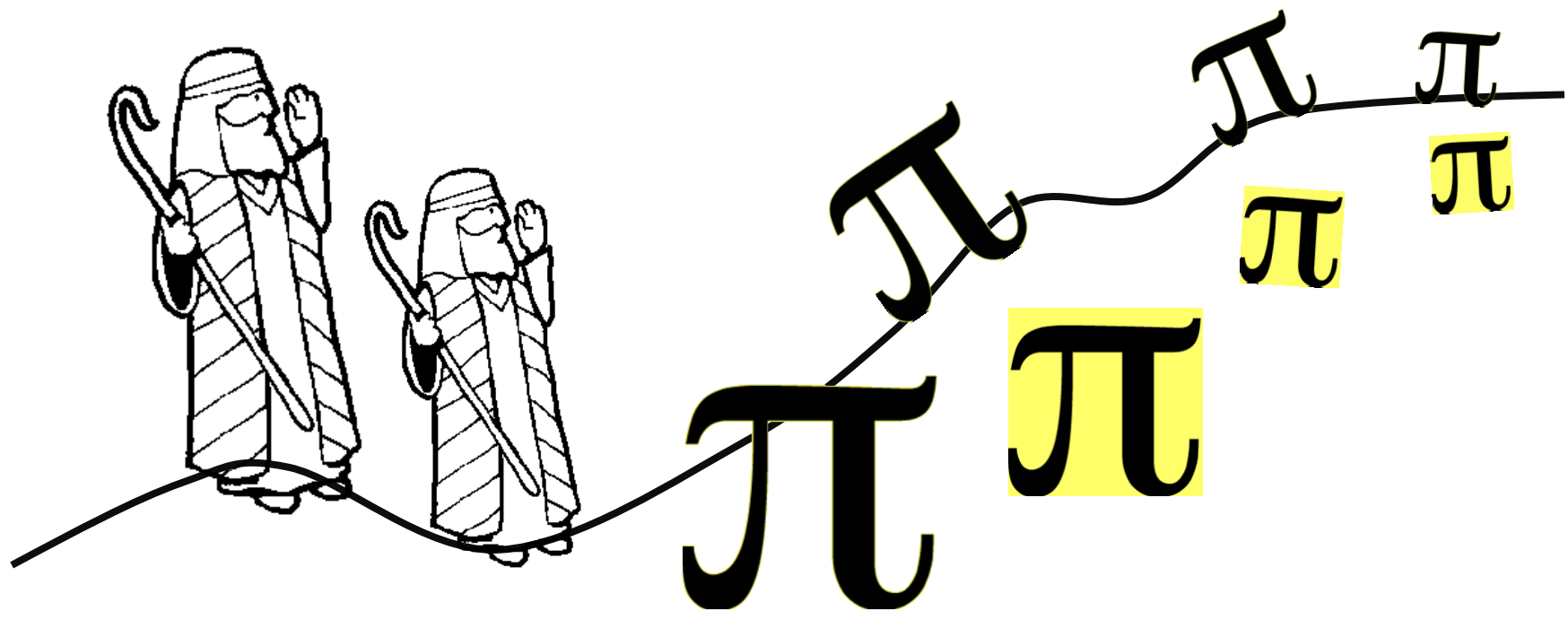
3.14159265358979323846264338327950288419716939937510...
 π Day!



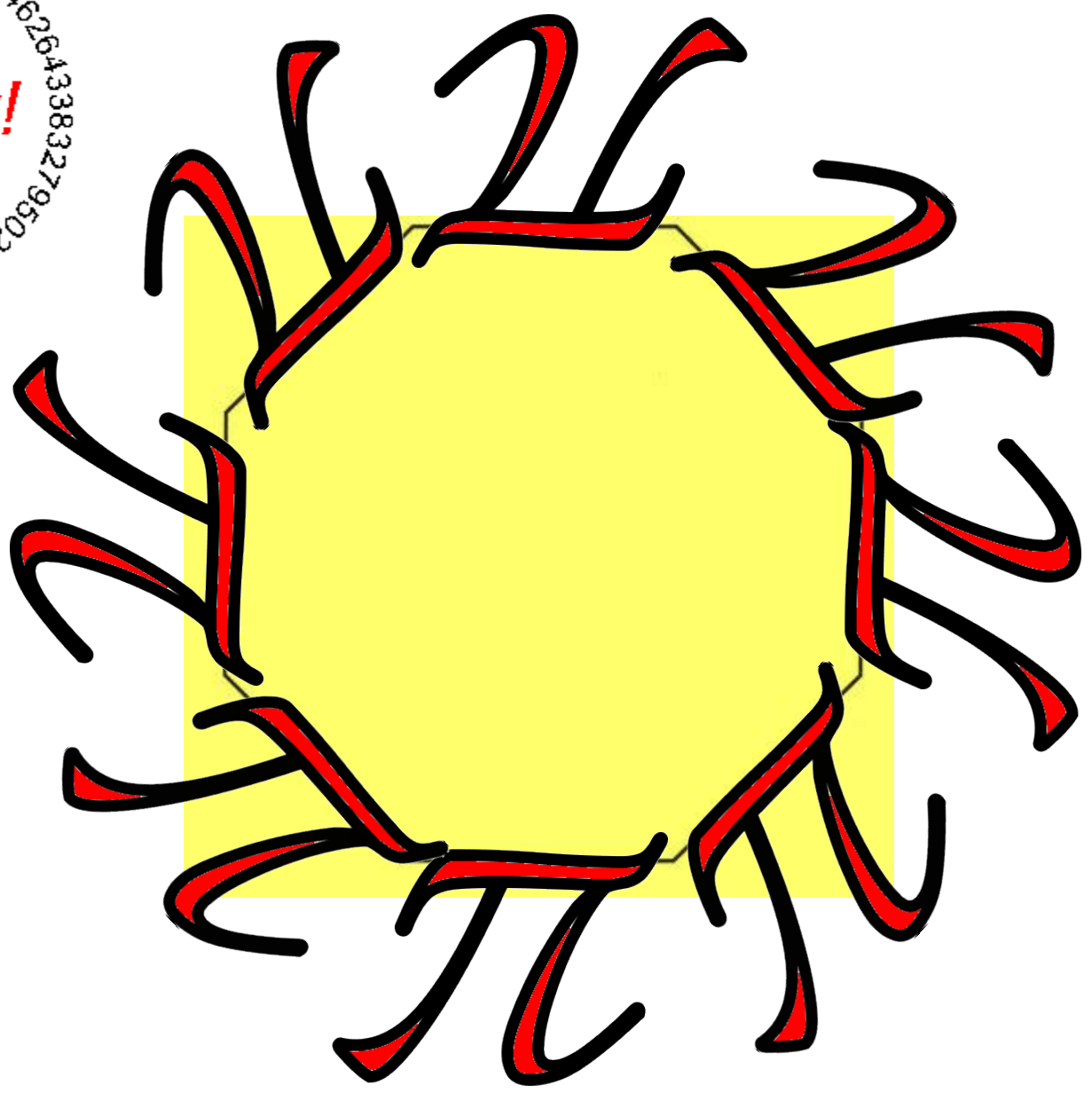
π Day!
3.14159265358979323846264338327950288419716939937510...



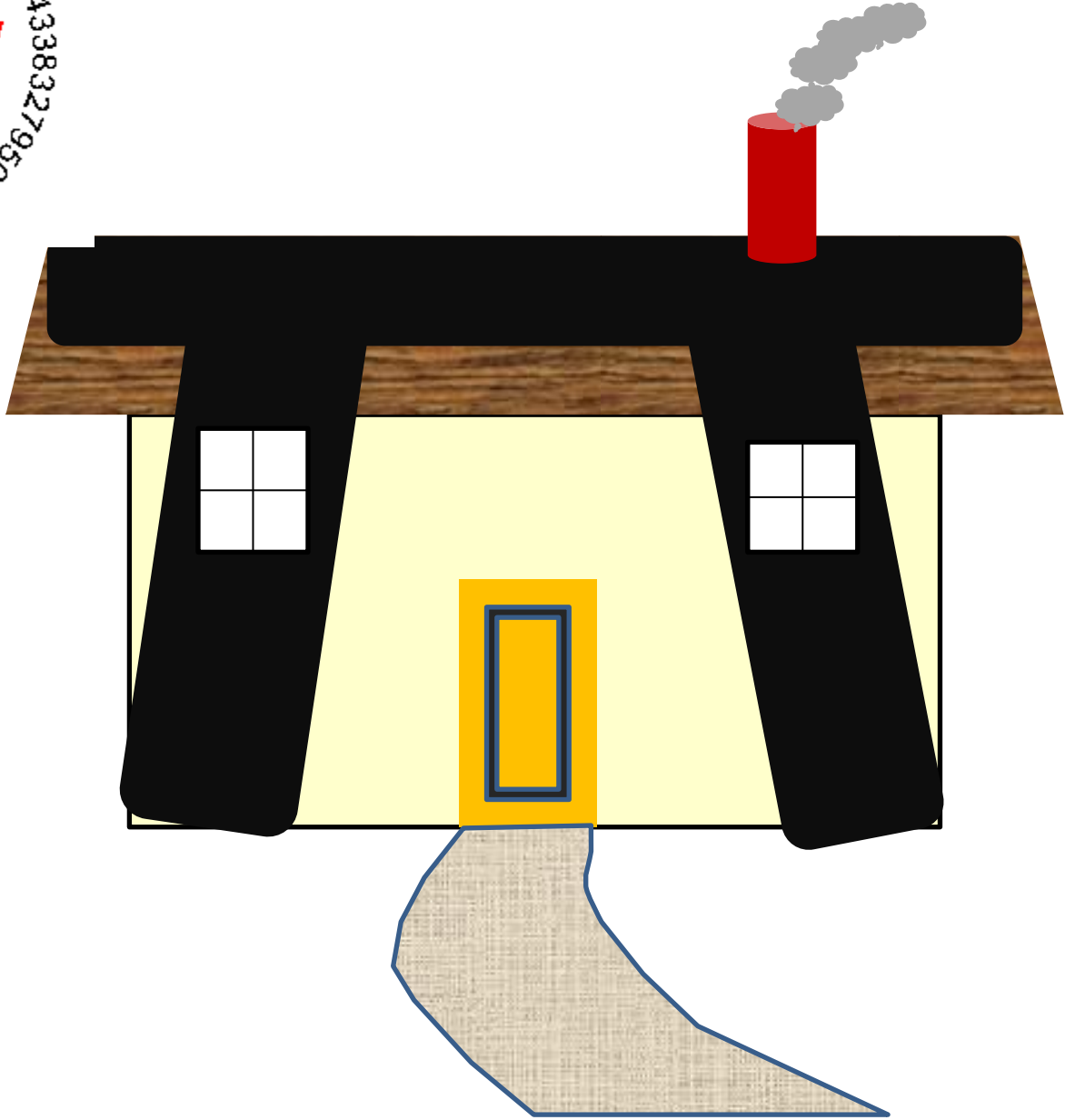
3.14159265358979323846264338327950288419716939937510...
 π Day!



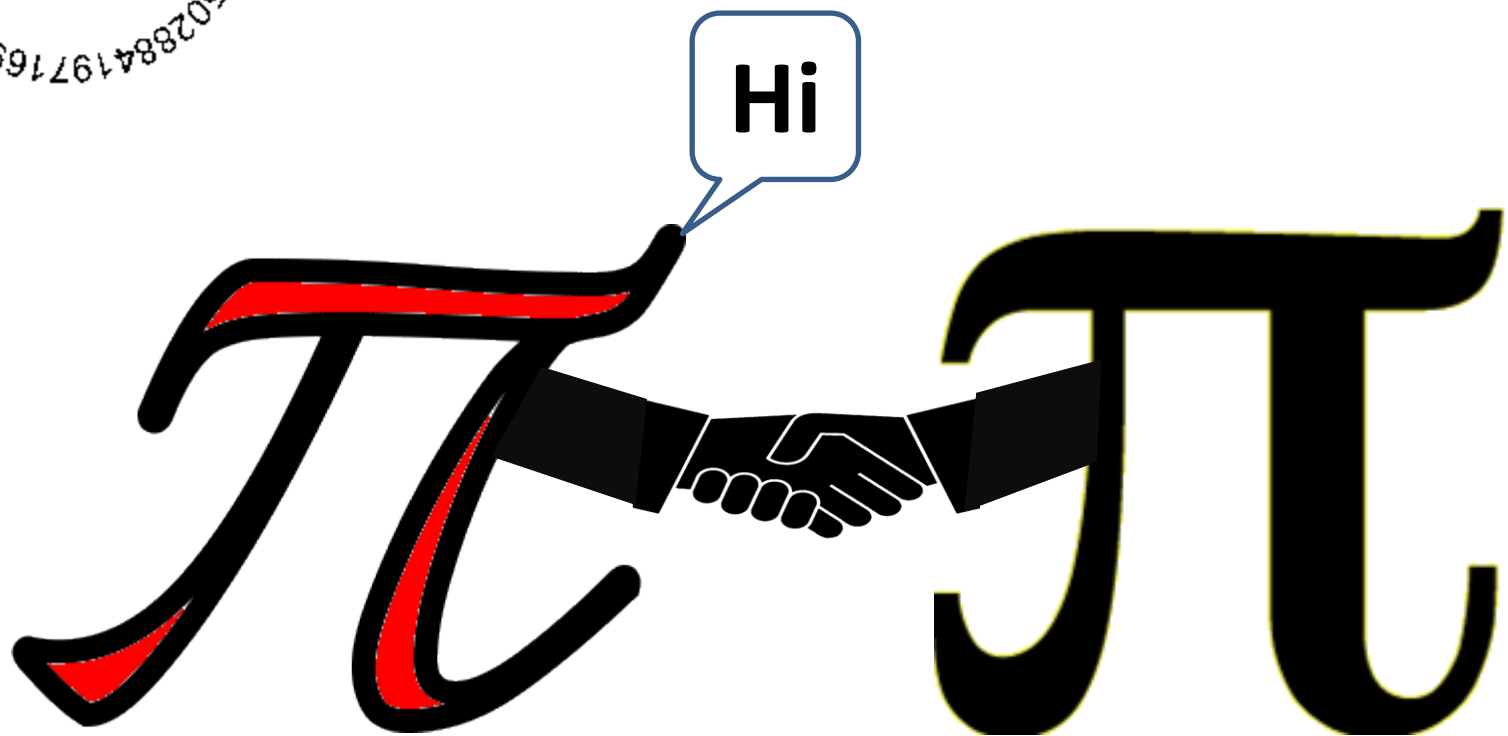
3.14159265358979323846264338327950288419716939937510...
 π Day!



3.14159265358979323846264338327950288419716939937510...
 π Day!



π Day!
3.14159265358979323846264338327950288419716939937510...



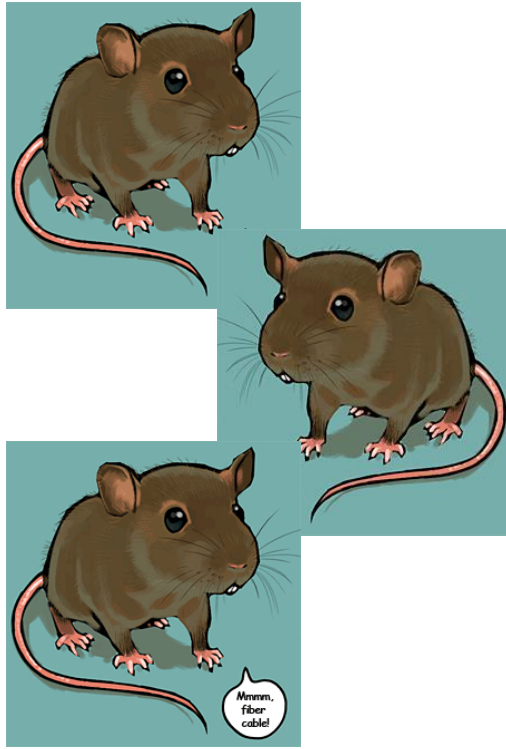
3.14159265358979323846264338327950288419716939937510...
 π Day!



π

3.14159265358979323846264338327950288419716939937510...
 π Day!

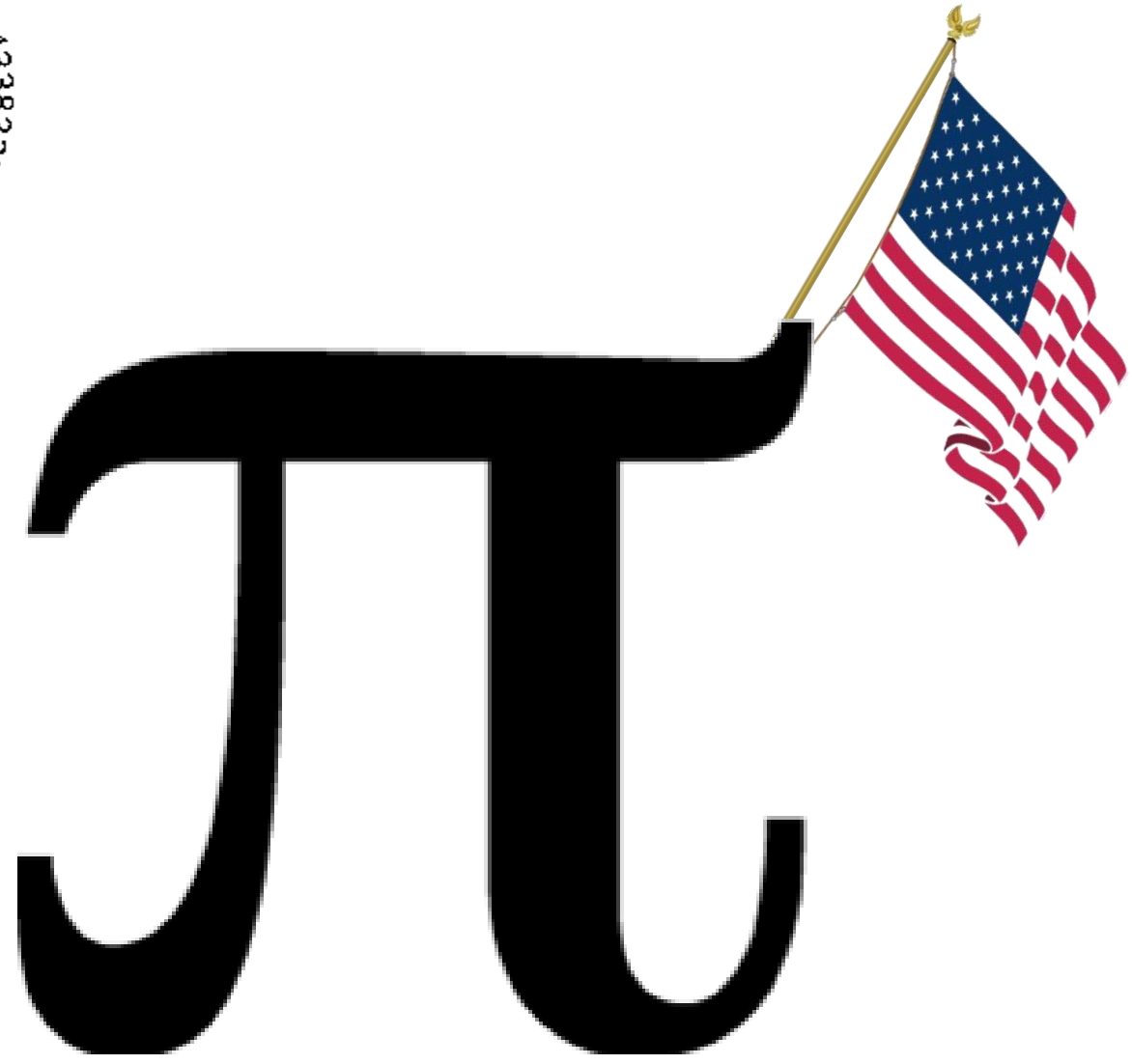
π

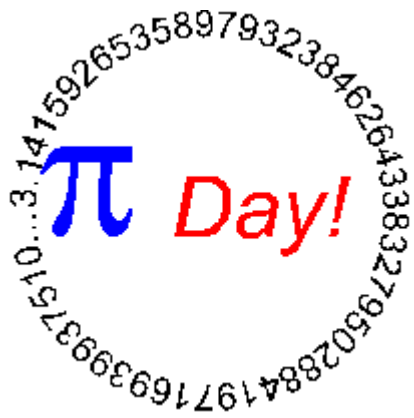


"of the"



3.14159265358979323846264338327950288419716939937510...
 π Day!





q t π

ANSWERS

1. Apple pie
2. Mince pie
3. Shepherds' pie
4. Octopi
5. Cottage pie
6. Meat pie
7. Cherry pie
8. Pirates of the Caribbean
9. American pie
10. Cutie pie