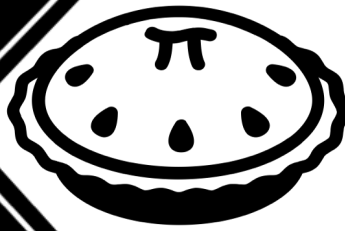


PI DAY

EASY AS PIE



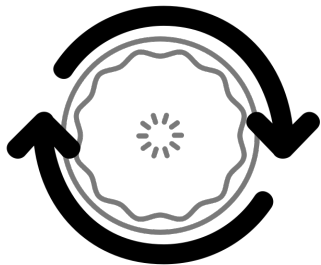
THE MORE PRECISE
YOUR MEASUREMENTS,
AND THE MORE
PERFECT THE CIRCLE...
THE
CLOSER
YOU GET TO π

3.14159
26535 89793
23846 26433
83279 50288
41971 69399
37510 58209
74944 59230
78164 06286
20899 86280
34825 34211
7 0 6 7 9
82148 08651
32823 06647
09384 46095
50582 23172
53594 08128
48111 74502
84102 70193
85211 05559
64462 29489
54930 38196
44288 10975
66593 34461
28475 64823
37867 83165
27120 19091
45648 56692
34603 48610
45432 66482
13393 60726
02491 41273
72458 70066
06315 58817
48815 20920
96282 92540
91715 36436
78925 90360
01133 05305
48820 46652
13841 46951
94151 16094
33057 27036
57595 91953
09218 61173
81932 61179
31051 18548
07446 23799
62749 56735
18857 52724
89122 79381
83011 94912
98336 73362
44065 66430
86021 39494
63952 24737
19070 21798
60943 70277

Pi is one of the most fascinating concepts in mathematics. Discovered over 4,000 years ago, Pi has become a crucial part of many mathematical formulas. Pi is an irrational number which means it can't be represented as a simple fraction. This is due to the fact it's decimal value goes on forever... Literally, forever. Computer programers have calculated up to 22 trillion digits, but remember that's still not even close to an end... because there isn't one!

Name: _____

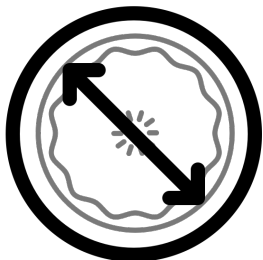
CIRCUMFERENCE



1. Circumference is the measurement all around the circle. Using a segment of string, or measuring tape, Calculate the circumference of your pie in centimeters.

My Pie's Circumference in cm = _____

DIAMETER



Next measure the diameter of your pie. The diameter is any straight line that passes through the center from one end of the circle to the other.

My Pie's diameter in cm = _____

RADIUS



Pi is ratio, or value of the relationship between the circumference and the diameter of a circle. The definition of pi is the circumference divided by the diameter.

My Pie's "Pi" in cm = _____

Find the difference between your measurement and Pi *Both rounded to the nearest thousandth.

Difference between my Pie's measurement & Pi = _____

Radius is the distance from the center of the circle to the edge or circumference of the circle. Which means the radius is exactly half of the diameter. As long as we know the radius of a circle, Pi can help us find the Circumference. Simply, multiply pi x diameter. **Use a calculator with the π symbol or round to the nearest hundredth.

Find the difference between your circumference measurement & the solution using pi, rounded to the nearest hundredth = _____

Find another circle around the room and try finding the same calculations as above. How close can you get to Pi?

CHALLENGE: To the right is the first 400+ digits that occur in Pi. How many can you memorize? The current World Record is held by a man that could recite the first 70,000 decimal place.