

pi  $\pi$

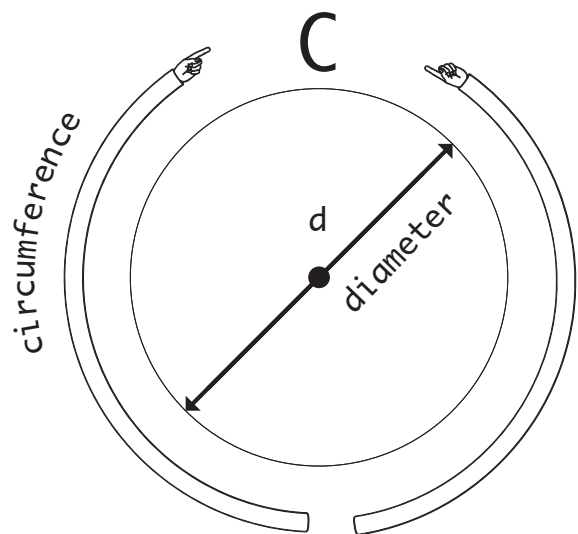


pronounced like pie! mmmmm!

Pi is the ratio of a circle's circumference to its diameter  $\pi = \frac{C}{d}$ . It is a mathematical constant, which means it is always the same for every circle. In most equations it is okay to use the abbreviated form: 3.14. However, the number pi is an irrational number, which means it goes on forever and does not have a pattern that repeats. We do not quite know how many digits it has, but some computers have calculated it to over a trillion decimal places.

Mathematicians have been using some form of pi since 2000 BC. Pi helps us to find the area of a circle: Area = pi x radius squared.

The circumference of a circle is slightly more than three times as long as its diameter. The exact ratio is called  $\pi$ .



DID YOU KNOW? March 14th is Pi Day! Can you guess why? How will you celebrate pi day with your classmates?

Let's take a look at how long Pi can go. Ready? GO!

3.

1415926535897932384626433832795028841971693993751058209  
7494459230781640628620899862803482534211706798214808651  
3282306647093844609550582231725359408128481117450284102  
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3105118548074462379962749567351885752724891227938183011  
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7521620569660240580381501935112533824300355876402474964

Okay let's stop there, that was giving me a headache!  
So as you can see, pi will go on forever...