



## Pi Day

 [drishtiias.com/printpdf/pi-day](https://drishtiias.com/printpdf/pi-day)

Pi Day is celebrated on **March 14** dedicated to **Pi (Greek letter  $\pi$ )**. The idea originated in the United States, where the convention is to write dates in a **format that expresses March 14 as 3/14**. These three digits match the value of pi up to two decimal places, at **3.14**.

31415926535897932384626433832795028  
84197169399375105820974944592307816  
40628620899862803482534211706798214  
80865132823066470938446095505822317  
25359408128481117450284102701938521  
10555964462294895493038196442881097  
566593344670831652712  
019091456130910454326648  
213393601002141272458700660631  
558817488152010962932540917153643  
6789259036001305348820466521384  
14695194151160433027036579959195  
3092186117383261731051185480744  
62379962749535188752724891227938  
1830119491203673144065664308602  
13949463957371902170609437027  
70539217153317675344818467669  
40513200056817145263569827785771342  
75778960917363717872146844090122495  
34301465495853710507922796892589235  
42019956112129021960864034418159813  
62977477130996051870721134999999837  
29780499510597317328160963185950244

- By definition, pi is the **ratio of the circumference of a circle to its diameter**. Pi is also the area of a circle divided by the square of its radius. The ratio is **always constant**.

Pi is an **irrational number**, it is denoted by a **symbol ‘ $\pi$ ’**.

- Pi has its use in geometry, trigonometry, physics, astronomy and other sciences. It appears in various formulae. Few important formulae are:
  - **Area of a circle** is  $\pi r^2$ .
  - **Volume of a cylinder** is  $\pi r^2 h$ .
  - **Surface area of a sphere** is  $4\pi r^2$ .
  - **Volume of a sphere** is  $4/3 (\pi r^3)$ .
  - **Volume of a cone** is  $1/3 (\pi r^2 h)$ .

**Source: Indian Express**