# Math.Log10(Rational) Method

名前空間: WS.Theia.ExtremelyPrecise

アセンブリ: ExtremelyPrecise.dll

指定した数の底 10 の対数を返します。

public static WS.Theia.ExtremelyPrecise.Rational Log10(WS.Theia.ExtremelyPrecise.Rational value);

## パラメーター

value　Rational  
対数を求める対象の数値。

## 戻り値

Rational  
次の表に示した値のいずれか

|  |  |
| --- | --- |
| valueパラメーター | 戻り値 |
| 正 | value の自然対数。つまり、ln value または log e value |
| 0 | NegativeInfinity |
| 負 | NaN |
| NaN | NaN |
| PositiveInfinity | PositiveInfinity |

## 例

次の例はLog10(Rational)メソッドの使用例です。

using System;  
using WS.Theia.ExtremelyPrecise;  
  
public class Example  
{  
 public static void Main()  
 {  
 Rational[] numbers = {-1, 0, .105, .5, .798, 1, 4, 6.9, 10, 50,   
 100, 500, 1000, Double.MaxValue};  
   
 foreach (Rational number in numbers)  
 Console.WriteLine("The base 10 log of {0} is {1}.",   
 number, Math.Log10(number));  
 }  
}  
// The example dislays the following output:  
// The base 10 log of -1 is NaN.  
// The base 10 log of 0 is -Infinity.  
// The base 10 log of 0.105 is -0.978810700930062.  
// The base 10 log of 0.5 is -0.301029995663981.  
// The base 10 log of 0.798 is -0.0979971086492706.  
// The base 10 log of 1 is 0.  
// The base 10 log of 4 is 0.602059991327962.  
// The base 10 log of 6.9 is 0.838849090737255.  
// The base 10 log of 10 is 1.  
// The base 10 log of 50 is 1.69897000433602.  
// The base 10 log of 100 is 2.  
// The base 10 log of 500 is 2.69897000433602.  
// The base 10 log of 1000 is 3.  
// The base 10 log of 1.79769313486232E+308 is 308.254715559917.

# 注釈

パラメーターvalueの対数を求める際に10を底として指定します。

# 適用対象

### .NET Core

2.0

### .NET Framework

4.6.1

### .NET Standard

2.0

### UWP

10.0.16299

### Xamarin.Android

8.0

### Xamarin.iOS

10.14

### Xamarin.Mac

3.8