# Math.DivRem(Rational) Method

名前空間: WS.Theia.ExtremelyPrecise

アセンブリ: ExtremelyPrecise.dll

2つの数値の商を計算し、出力パラメーターの剰余を返します。

public static (WS.Theia.ExtremelyPrecise.Rational Quotient, WS.Theia.ExtremelyPrecise.Rational Remainder) DivRem(WS.Theia.ExtremelyPrecise.Rational dividend, WS.Theia.ExtremelyPrecise.Rational divisor);

## パラメーター

dividend　Rational  
被除数。

divisor　Rational  
除数。

## 戻り値

Quotient　Rational  
指定した数値の商。剰余。

Remainder　 Rational  
指定した数値の剰余。

# 例

次の例ではDivRem(Rational,Rational)メソッドを使い商と剰余を求めています。

using System;  
using WS.Theia.ExtremelyPrecise;  
  
public class Example  
{  
 public static void Main()  
 {  
 // Define several positive and negative dividends.  
 Rational[] dividends = { Int32.MaxValue, 13952, 0, -14032,  
 Int32.MinValue };  
 // Define one positive and one negative divisor.  
 Rational [] divisors = { 2000, -2000 };  
   
 foreach (Rational divisor in divisors)  
 {  
 foreach (Rational dividend in dividends)  
 {  
 Rational remainder;   
 Rational quotient;  
 (quotient, remainder)=Math.DivRem(dividend, divisor);  
 Console.WriteLine(@"{0:N0} \ {1:N0} = {2:N0}, remainder {3:N0}",   
 dividend, divisor, quotient, remainder);  
 }  
 }   
 }  
}  
// The example displays the following output:  
// 2,147,483,647 \ 2,000 = 1,073,741, remainder 1,647  
// 13,952 \ 2,000 = 6, remainder 1,952  
// 0 \ 2,000 = 0, remainder 0  
// -14,032 \ 2,000 = -7, remainder -32  
// -2,147,483,648 \ 2,000 = -1,073,741, remainder -1,648  
// 2,147,483,647 \ -2,000 = -1,073,741, remainder 1,647  
// 13,952 \ -2,000 = -6, remainder 1,952  
// 0 \ -2,000 = 0, remainder 0  
// -14,032 \ -2,000 = 7, remainder -32  
// -2,147,483,648 \ -2,000 = 1,073,741, remainder -1,648

# 注釈

剰余のみが欲しい場合は、剰余演算子を使用してください。

またIEEERemainder(Rational,Rational)もご覧ください。

# 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