

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