

# NPER

Updated: 31 Mar 2016

Use **NPER** to return the number of periods in an annuity.

## Syntax

```
Public Shared Function NPER(  
    ByVal Rate As Double,  
    ByVal Pmt As Double,  
    ByVal PV As Double,  
    ByVal FV As Double,  
    ByVal Pay_type As Integer,)
```

## Arguments

### *Rate*

the periodic interest rate. *Rate* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *Pmt*

the periodic payment amount. *Pmt* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *PV*

the present value of the cash flows. *PV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *FV*

the balance remaining after the final payment. *FV* is an expression that returns a **Double**, or of a type that can be implicitly converted to **Double**.

### *Pay\_type*

the number {0, 1} specifying an ordinary annuity (0) or an annuity-immediate (1). *Pay\_type* is an expression that returns **Integer**, or of a type that can be implicitly converted to **Integer**.

## Return Type

Double

## Remarks

- If *Rate* = -1, and exception is generated
- Null may be returned depending on the input values

## See Also

- CUMODDFIPMT - Cumulative interest on the periodic annuity payments between a start period and an end period
- CUMODDFPPMT - Cumulative principal on the periodic annuity payments between a start period and an end period
- FV - Future Value
- FVGA - Future value of a growing annuity
- FVSCHEDULE - Future value based on compound rates
- NOMINAL - Annual nominal interest rate
- NPERGA - Number of Periods of a growing annuity
- ODDFIPMT - Interest portion of a periodic payment for an annuity with an odd first period
- ODDFPMT - Periodic payment for an annuity with an odd first period
- ODDFPMTSCHED - Amortization schedule for an annuity with odd first period
- ODDFPPMT - Principal portion of a periodic payment for an annuity with an odd first period
- ODDFPV - Present value of an annuity with an odd first period
- ODDFRATE - Periodic interest rate for an annuity where the first period is longer or shorter than the other periods
- ODDPV - Present value of an annuity with an odd first period
- PMTGA - Initial payment of a growing annuity
- PV - Present value
- PVGA - Present value of a growing annuity
- RATE - Interest rate of an annuity