| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/math/RoundingMode.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/math//class-useRoundingMode.html)    [**NO FRAMES**](http://docs.google.com/RoundingMode.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.math.RoundingMode**

| Packages that use [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| [**java.math**](#3znysh7) | Provides classes for performing arbitrary-precision integer arithmetic (BigInteger) and arbitrary-precision decimal arithmetic (BigDecimal). |
| [**java.text**](#2et92p0) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |

| Uses of [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) in [java.math](http://docs.google.com/java/math/package-summary.html) | |
| --- | --- |

| Methods in [java.math](http://docs.google.com/java/math/package-summary.html) that return [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | **MathContext.**[**getRoundingMode**](http://docs.google.com/java/math/MathContext.html#getRoundingMode())()            Returns the roundingMode setting. |
| static [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | **RoundingMode.**[**valueOf**](http://docs.google.com/java/math/RoundingMode.html#valueOf(int))(int rm)            Returns the RoundingMode object corresponding to a legacy integer rounding mode constant in [BigDecimal](http://docs.google.com/java/math/BigDecimal.html). |
| static [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | **RoundingMode.**[**valueOf**](http://docs.google.com/java/math/RoundingMode.html#valueOf(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns the enum constant of this type with the specified name. |
| static [RoundingMode](http://docs.google.com/java/math/RoundingMode.html)[] | **RoundingMode.**[**values**](http://docs.google.com/java/math/RoundingMode.html#values())()            Returns an array containing the constants of this enum type, in the order they are declared. |

| Methods in [java.math](http://docs.google.com/java/math/package-summary.html) with parameters of type [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| [BigDecimal](http://docs.google.com/java/math/BigDecimal.html) | **BigDecimal.**[**divide**](http://docs.google.com/java/math/BigDecimal.html#divide(java.math.BigDecimal,%20int,%20java.math.RoundingMode))([BigDecimal](http://docs.google.com/java/math/BigDecimal.html) divisor, int scale, [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) roundingMode)            Returns a BigDecimal whose value is (this / divisor), and whose scale is as specified. |
| [BigDecimal](http://docs.google.com/java/math/BigDecimal.html) | **BigDecimal.**[**divide**](http://docs.google.com/java/math/BigDecimal.html#divide(java.math.BigDecimal,%20java.math.RoundingMode))([BigDecimal](http://docs.google.com/java/math/BigDecimal.html) divisor, [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) roundingMode)            Returns a BigDecimal whose value is (this / divisor), and whose scale is this.scale(). |
| [BigDecimal](http://docs.google.com/java/math/BigDecimal.html) | **BigDecimal.**[**setScale**](http://docs.google.com/java/math/BigDecimal.html#setScale(int,%20java.math.RoundingMode))(int newScale, [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) roundingMode)            Returns a BigDecimal whose scale is the specified value, and whose unscaled value is determined by multiplying or dividing this BigDecimal's unscaled value by the appropriate power of ten to maintain its overall value. |

| Constructors in [java.math](http://docs.google.com/java/math/package-summary.html) with parameters of type [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| [**MathContext**](http://docs.google.com/java/math/MathContext.html#MathContext(int,%20java.math.RoundingMode))(int setPrecision, [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) setRoundingMode)            Constructs a new MathContext with a specified precision and rounding mode. |

| Uses of [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | **NumberFormat.**[**getRoundingMode**](http://docs.google.com/java/text/NumberFormat.html#getRoundingMode())()            Gets the [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) used in this NumberFormat. |
| [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | **DecimalFormat.**[**getRoundingMode**](http://docs.google.com/java/text/DecimalFormat.html#getRoundingMode())()            Gets the [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) used in this DecimalFormat. |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) | |
| --- | --- |
| void | **NumberFormat.**[**setRoundingMode**](http://docs.google.com/java/text/NumberFormat.html#setRoundingMode(java.math.RoundingMode))([RoundingMode](http://docs.google.com/java/math/RoundingMode.html) roundingMode)            Sets the [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) used in this NumberFormat. |
| void | **DecimalFormat.**[**setRoundingMode**](http://docs.google.com/java/text/DecimalFormat.html#setRoundingMode(java.math.RoundingMode))([RoundingMode](http://docs.google.com/java/math/RoundingMode.html) roundingMode)            Sets the [RoundingMode](http://docs.google.com/java/math/RoundingMode.html) used in this DecimalFormat. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/math/RoundingMode.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/math//class-useRoundingMode.html)    [**NO FRAMES**](http://docs.google.com/RoundingMode.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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