| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Number.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/lang//class-useNumber.html)    [**NO FRAMES**](http://docs.google.com/Number.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.lang.Number**

| Packages that use [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.lang**](#2et92p0) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.math**](#tyjcwt) | Provides classes for performing arbitrary-precision integer arithmetic (BigInteger) and arbitrary-precision decimal arithmetic (BigDecimal). |
| [**java.text**](#3dy6vkm) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**java.util.concurrent.atomic**](#1t3h5sf) | A small toolkit of classes that support lock-free thread-safe programming on single variables. |
| [**javax.accessibility**](#4d34og8) | Defines a contract between user-interface components and an assistive technology that provides access to those components. |
| [**javax.management**](#2s8eyo1) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.monitor**](#17dp8vu) | Provides the definition of the monitor classes. |
| [**javax.swing**](#3rdcrjn) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.xml.datatype**](#26in1rg) | XML/Java Type Mappings. |

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

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | **CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.**[**getCurrentAccessibleValue**](http://docs.google.com/java/awt/CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **MenuItem.AccessibleAWTMenuItem.**[**getCurrentAccessibleValue**](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Scrollbar.AccessibleAWTScrollBar.**[**getCurrentAccessibleValue**](http://docs.google.com/java/awt/Scrollbar.AccessibleAWTScrollBar.html#getCurrentAccessibleValue())()            Get the accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Checkbox.AccessibleAWTCheckbox.**[**getCurrentAccessibleValue**](http://docs.google.com/java/awt/Checkbox.AccessibleAWTCheckbox.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Button.AccessibleAWTButton.**[**getCurrentAccessibleValue**](http://docs.google.com/java/awt/Button.AccessibleAWTButton.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.**[**getMaximumAccessibleValue**](http://docs.google.com/java/awt/CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **MenuItem.AccessibleAWTMenuItem.**[**getMaximumAccessibleValue**](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Scrollbar.AccessibleAWTScrollBar.**[**getMaximumAccessibleValue**](http://docs.google.com/java/awt/Scrollbar.AccessibleAWTScrollBar.html#getMaximumAccessibleValue())()            Get the maximum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Checkbox.AccessibleAWTCheckbox.**[**getMaximumAccessibleValue**](http://docs.google.com/java/awt/Checkbox.AccessibleAWTCheckbox.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Button.AccessibleAWTButton.**[**getMaximumAccessibleValue**](http://docs.google.com/java/awt/Button.AccessibleAWTButton.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.**[**getMinimumAccessibleValue**](http://docs.google.com/java/awt/CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **MenuItem.AccessibleAWTMenuItem.**[**getMinimumAccessibleValue**](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Scrollbar.AccessibleAWTScrollBar.**[**getMinimumAccessibleValue**](http://docs.google.com/java/awt/Scrollbar.AccessibleAWTScrollBar.html#getMinimumAccessibleValue())()            Get the minimum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Checkbox.AccessibleAWTCheckbox.**[**getMinimumAccessibleValue**](http://docs.google.com/java/awt/Checkbox.AccessibleAWTCheckbox.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **Button.AccessibleAWTButton.**[**getMinimumAccessibleValue**](http://docs.google.com/java/awt/Button.AccessibleAWTButton.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| boolean | **CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.**[**setCurrentAccessibleValue**](http://docs.google.com/java/awt/CheckboxMenuItem.AccessibleAWTCheckboxMenuItem.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **MenuItem.AccessibleAWTMenuItem.**[**setCurrentAccessibleValue**](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **Scrollbar.AccessibleAWTScrollBar.**[**setCurrentAccessibleValue**](http://docs.google.com/java/awt/Scrollbar.AccessibleAWTScrollBar.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **Checkbox.AccessibleAWTCheckbox.**[**setCurrentAccessibleValue**](http://docs.google.com/java/awt/Checkbox.AccessibleAWTCheckbox.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **Button.AccessibleAWTButton.**[**setCurrentAccessibleValue**](http://docs.google.com/java/awt/Button.AccessibleAWTButton.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |

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

| Subclasses of [Number](http://docs.google.com/java/lang/Number.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |
| class | [**Byte**](http://docs.google.com/java/lang/Byte.html)            The Byte class wraps a value of primitive type byte in an object. |
| class | [**Double**](http://docs.google.com/java/lang/Double.html)            The Double class wraps a value of the primitive type double in an object. |
| class | [**Float**](http://docs.google.com/java/lang/Float.html)            The Float class wraps a value of primitive type float in an object. |
| class | [**Integer**](http://docs.google.com/java/lang/Integer.html)            The Integer class wraps a value of the primitive type int in an object. |
| class | [**Long**](http://docs.google.com/java/lang/Long.html)            The Long class wraps a value of the primitive type long in an object. |
| class | [**Short**](http://docs.google.com/java/lang/Short.html)            The Short class wraps a value of primitive type short in an object. |

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

| Subclasses of [Number](http://docs.google.com/java/lang/Number.html) in [java.math](http://docs.google.com/java/math/package-summary.html) | |
| --- | --- |
| class | [**BigDecimal**](http://docs.google.com/java/math/BigDecimal.html)            Immutable, arbitrary-precision signed decimal numbers. |
| class | [**BigInteger**](http://docs.google.com/java/math/BigInteger.html)            Immutable arbitrary-precision integers. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
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| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | **NumberFormat.**[**parse**](http://docs.google.com/java/text/NumberFormat.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) source)            Parses text from the beginning of the given string to produce a number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **ChoiceFormat.**[**parse**](http://docs.google.com/java/text/ChoiceFormat.html#parse(java.lang.String,%20java.text.ParsePosition))([String](http://docs.google.com/java/lang/String.html) text, [ParsePosition](http://docs.google.com/java/text/ParsePosition.html) status)            Parses a Number from the input text. |
| abstract  [Number](http://docs.google.com/java/lang/Number.html) | **NumberFormat.**[**parse**](http://docs.google.com/java/text/NumberFormat.html#parse(java.lang.String,%20java.text.ParsePosition))([String](http://docs.google.com/java/lang/String.html) source, [ParsePosition](http://docs.google.com/java/text/ParsePosition.html) parsePosition)            Returns a Long if possible (e.g., within the range [Long.MIN\_VALUE, Long.MAX\_VALUE] and with no decimals), otherwise a Double. |
| [Number](http://docs.google.com/java/lang/Number.html) | **DecimalFormat.**[**parse**](http://docs.google.com/java/text/DecimalFormat.html#parse(java.lang.String,%20java.text.ParsePosition))([String](http://docs.google.com/java/lang/String.html) text, [ParsePosition](http://docs.google.com/java/text/ParsePosition.html) pos)            Parses text from a string to produce a Number. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [java.util.concurrent.atomic](http://docs.google.com/java/util/concurrent/atomic/package-summary.html) | |
| --- | --- |

| Subclasses of [Number](http://docs.google.com/java/lang/Number.html) in [java.util.concurrent.atomic](http://docs.google.com/java/util/concurrent/atomic/package-summary.html) | |
| --- | --- |
| class | [**AtomicInteger**](http://docs.google.com/java/util/concurrent/atomic/AtomicInteger.html)            An int value that may be updated atomically. |
| class | [**AtomicLong**](http://docs.google.com/java/util/concurrent/atomic/AtomicLong.html)            A long value that may be updated atomically. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) | |
| --- | --- |

| Methods in [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | **AccessibleValue.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/accessibility/AccessibleValue.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **AccessibleValue.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **AccessibleValue.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |

| Methods in [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| boolean | **AccessibleValue.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/accessibility/AccessibleValue.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
| --- | --- |

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| static [ValueExp](http://docs.google.com/javax/management/ValueExp.html) | **Query.**[**value**](http://docs.google.com/javax/management/Query.html#value(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) val)            Returns a numeric value expression that can be used in any Query call that expects a ValueExp. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) | |
| --- | --- |

| Methods in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitorMBean.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitor.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge for the specified MBean. |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge of the specified object, if this object is contained in the set of observed MBeans, or null otherwise. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge for the specified MBean. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGauge(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the derived gauge of the specified object, if this object is contained in the set of observed MBeans, or null otherwise. |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitorMBean.**[**getHighThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getHighThreshold())()            Gets the high threshold value. |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitor.**[**getHighThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getHighThreshold())()            Gets the high threshold value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getInitThreshold())()            Gets the initial threshold value common to all observed objects. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getInitThreshold())()            Gets the initial threshold value common to all observed objects. |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitorMBean.**[**getLowThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getLowThreshold())()            Gets the low threshold value. |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitor.**[**getLowThreshold**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getLowThreshold())()            Gets the low threshold value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getModulus**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getModulus())()            Gets the modulus value. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getModulus**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getModulus())()            Gets the modulus value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getOffset**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getOffset())()            Gets the offset value. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getOffset**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getOffset())()            Gets the offset value common to all observed MBeans. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.getThreshold(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getThreshold())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.getThreshold(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getThreshold(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the threshold value for the specified MBean. |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getThreshold(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)            Gets the current threshold value of the specified object, if this object is contained in the set of observed MBeans, or null otherwise. |

| Methods in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| void | **CounterMonitorMBean.**[**setInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the initial threshold value common to all observed MBeans. |
| void | **CounterMonitor.**[**setInitThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setInitThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the initial threshold value common to all observed objects. |
| void | **CounterMonitorMBean.**[**setModulus**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setModulus(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the modulus value. |
| void | **CounterMonitor.**[**setModulus**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setModulus(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the modulus value common to all observed MBeans. |
| void | **CounterMonitorMBean.**[**setOffset**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setOffset(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the offset value. |
| void | **CounterMonitor.**[**setOffset**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setOffset(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)            Sets the offset value common to all observed MBeans. |
| void | **CounterMonitorMBean.**[**setThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number)) |
| void | **CounterMonitor.**[**setThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setInitThreshold(java.lang.Number)) |
| void | **GaugeMonitorMBean.**[**setThresholds**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#setThresholds(java.lang.Number,%20java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) highValue, [Number](http://docs.google.com/java/lang/Number.html) lowValue)            Sets the high and the low threshold values. |
| void | **GaugeMonitor.**[**setThresholds**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#setThresholds(java.lang.Number,%20java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) highValue, [Number](http://docs.google.com/java/lang/Number.html) lowValue)            Sets the high and the low threshold values common to all observed MBeans. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
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| [Number](http://docs.google.com/java/lang/Number.html) | **JProgressBar.AccessibleJProgressBar.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JProgressBar.AccessibleJProgressBar.html#getCurrentAccessibleValue())()            Gets the accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSlider.AccessibleJSlider.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSlider.AccessibleJSlider.html#getCurrentAccessibleValue())()            Get the accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSplitPane.AccessibleJSplitPane.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSplitPane.AccessibleJSplitPane.html#getCurrentAccessibleValue())()            Gets the accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.AccessibleJInternalFrame.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.AccessibleJInternalFrame.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.html#getCurrentAccessibleValue())()            Gets the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSpinner.AccessibleJSpinner.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSpinner.AccessibleJSpinner.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JScrollBar.AccessibleJScrollBar.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/JScrollBar.AccessibleJScrollBar.html#getCurrentAccessibleValue())()            Get the accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **AbstractButton.AccessibleAbstractButton.**[**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JProgressBar.AccessibleJProgressBar.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JProgressBar.AccessibleJProgressBar.html#getMaximumAccessibleValue())()            Gets the maximum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSlider.AccessibleJSlider.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JSlider.AccessibleJSlider.html#getMaximumAccessibleValue())()            Get the maximum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSplitPane.AccessibleJSplitPane.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JSplitPane.AccessibleJSplitPane.html#getMaximumAccessibleValue())()            Gets the maximum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.AccessibleJInternalFrame.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.AccessibleJInternalFrame.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.html#getMaximumAccessibleValue())()            Gets the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSpinner.AccessibleJSpinner.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JSpinner.AccessibleJSpinner.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JScrollBar.AccessibleJScrollBar.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/JScrollBar.AccessibleJScrollBar.html#getMaximumAccessibleValue())()            Get the maximum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **AbstractButton.AccessibleAbstractButton.**[**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JProgressBar.AccessibleJProgressBar.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JProgressBar.AccessibleJProgressBar.html#getMinimumAccessibleValue())()            Gets the minimum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSlider.AccessibleJSlider.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JSlider.AccessibleJSlider.html#getMinimumAccessibleValue())()            Get the minimum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSplitPane.AccessibleJSplitPane.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JSplitPane.AccessibleJSplitPane.html#getMinimumAccessibleValue())()            Gets the minimum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.AccessibleJInternalFrame.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.AccessibleJInternalFrame.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.html#getMinimumAccessibleValue())()            Gets the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JSpinner.AccessibleJSpinner.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JSpinner.AccessibleJSpinner.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **JScrollBar.AccessibleJScrollBar.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/JScrollBar.AccessibleJScrollBar.html#getMinimumAccessibleValue())()            Get the minimum accessible value of this object. |
| [Number](http://docs.google.com/java/lang/Number.html) | **AbstractButton.AccessibleAbstractButton.**[**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | **SpinnerNumberModel.**[**getNumber**](http://docs.google.com/javax/swing/SpinnerNumberModel.html#getNumber())()            Returns the value of the current element of the sequence. |
| [Number](http://docs.google.com/java/lang/Number.html) | **SpinnerNumberModel.**[**getStepSize**](http://docs.google.com/javax/swing/SpinnerNumberModel.html#getStepSize())()            Returns the size of the value change computed by the getNextValue and getPreviousValue methods. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
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| static   | <M,I> [RowFilter](http://docs.google.com/javax/swing/RowFilter.html)<M,I> | | --- | | **RowFilter.**[**numberFilter**](http://docs.google.com/javax/swing/RowFilter.html#numberFilter(javax.swing.RowFilter.ComparisonType,%20java.lang.Number,%20int...))([RowFilter.ComparisonType](http://docs.google.com/javax/swing/RowFilter.ComparisonType.html) type, [Number](http://docs.google.com/java/lang/Number.html) number, int... indices)            Returns a RowFilter that includes entries that have at least one Number value meeting the specified criteria. |
| boolean | **JProgressBar.AccessibleJProgressBar.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JProgressBar.AccessibleJProgressBar.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Sets the value of this object as a Number. |
| boolean | **JSlider.AccessibleJSlider.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSlider.AccessibleJSlider.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **JSplitPane.AccessibleJSplitPane.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSplitPane.AccessibleJSplitPane.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Sets the value of this object as a Number. |
| boolean | **JInternalFrame.AccessibleJInternalFrame.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.AccessibleJInternalFrame.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JInternalFrame.JDesktopIcon.AccessibleJDesktopIcon.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Sets the value of this object as a Number. |
| boolean | **JSpinner.AccessibleJSpinner.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JSpinner.AccessibleJSpinner.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **JScrollBar.AccessibleJScrollBar.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/JScrollBar.AccessibleJScrollBar.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| boolean | **AbstractButton.AccessibleAbstractButton.**[**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |
| void | **SpinnerNumberModel.**[**setStepSize**](http://docs.google.com/javax/swing/SpinnerNumberModel.html#setStepSize(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) stepSize)            Changes the size of the value change computed by the getNextValue and getPreviousValue methods. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Number](http://docs.google.com/java/lang/Number.html) | |
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| [**SpinnerNumberModel**](http://docs.google.com/javax/swing/SpinnerNumberModel.html#SpinnerNumberModel(java.lang.Number,%20java.lang.Comparable,%20java.lang.Comparable,%20java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value, [Comparable](http://docs.google.com/java/lang/Comparable.html) minimum, [Comparable](http://docs.google.com/java/lang/Comparable.html) maximum, [Number](http://docs.google.com/java/lang/Number.html) stepSize)            Constructs a SpinnerModel that represents a closed sequence of numbers from minimum to maximum. |

| Uses of [Number](http://docs.google.com/java/lang/Number.html) in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) | |
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| Methods in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) that return [Number](http://docs.google.com/java/lang/Number.html) | |
| --- | --- |
| abstract  [Number](http://docs.google.com/java/lang/Number.html) | **Duration.**[**getField**](http://docs.google.com/javax/xml/datatype/Duration.html#getField(javax.xml.datatype.DatatypeConstants.Field))([DatatypeConstants.Field](http://docs.google.com/javax/xml/datatype/DatatypeConstants.Field.html) field)            Gets the value of a field. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Number.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/lang//class-useNumber.html)    [**NO FRAMES**](http://docs.google.com/Number.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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