

# JAVA.MATH.BIGINTEGER.DIVIDE METHOD

[http://www.tutorialspoint.com/java/math/biginteger\\_divide.htm](http://www.tutorialspoint.com/java/math/biginteger_divide.htm)

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## Description

The `java.math.BigInteger.divide` method returns a `BigInteger` whose value is *this/val*.

## Declaration

Following is the declaration for `java.math.BigInteger.divide` method

```
public BigInteger divide(BigInteger val)
```

## Parameters

- **val** - value by which this `BigInteger` is to be divided

## Return Value

This method returns a `BigInteger` object of value, *this / val*.

## Exception

- **ArithmeticException** - if *val* is zero

## Example

The following example shows the usage of `math.BigInteger.divide` method

```
package com.tutorialspoint;

import java.math.*;

public class BigIntegerDemo {

    public static void main(String[] args) {

        // create 3 BigInteger objects
        BigInteger bi1, bi2, bi3;

        bi1 = new BigInteger("-100");
        bi2 = new BigInteger("3");

        // divide bi1 with bi2
        bi3 = bi1.divide(bi2);

        String str = "Division result is " +bi3;

        // print bi3 value
        System.out.println( str );
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Division result is -33
```

```
Loading [Mathjax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```