

```
/**
 * Checks if two numbers are multiples of each other
 */
*
* @author biech153 (Biersbach Chris) / gamca174 (Gamboa Carlos) / olial319 (Olinger Alex)
* @version 14/02/2019 7:00:50
* Classe: 3GIG
*/
public class Multiple
{
    private int aNumber;
    private int anotherNumber;

    public Multiple(int pFirst, int pSecond)
    {
        setNumbers(pFirst,pSecond);
    }

    public void setNumbers(int pFirst, int pSecond)
    {
        if (pFirst < pSecond)
        {
            aNumber = pSecond;
            anotherNumber = pFirst;
        }
        else
        {
            aNumber = pFirst;
            anotherNumber = pSecond;
        }
    }

    public void printMultiple()
    {
        System.out.println("Les deux nombres sont "+aNumber +" et " +anotherNumber);

        if ((aNumber <= 0) || (anotherNumber <= 0))
        {
            System.out.println("Erreur: les nombres doivent être strictement positifs");
        }
        else
        {
            if (aNumber == anotherNumber)
            {
                System.out.println("Erreur: les nombres doivent être différents");
            }
            else
            {
                if (aNumber % anotherNumber == 0)
                {
                    int division = aNumber/anotherNumber;
                    System.out.println(aNumber+" est un multiple de "+anotherNumber+", car "+aNumber +" = " +division +"*" +anotherNumber);
                }
                else
                {
                    System.out.println(aNumber+" n'est pas un multiple de "+anotherNumber);
                }
            }
        }
        System.out.println();
    }
}
```

```
/**
 * This class tests some possibilities
 */
*
* @author    biech153 (Biersbach Chris) / gamca174 (Gamboa Carlos) / olial319 (Olinger Alex)
* @version  14/02/2019 7:00:50
* Classe:   3GIG
*/
public class TestMultiple
{
    public static void main(String[] args) {
        int a = -7;
        int b = -5;
        Multiple aMultiple = new Multiple(a, b);
        aMultiple.printMultiple();
        a = -13;
        b = 11;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 13;
        b = 11;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 15;
        b = 15;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 17;
        b = 0;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 17;
        b = 34;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 34;
        b = 17;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
        a = 105;
        b = 5;
        aMultiple.setNumbers(a, b);
        aMultiple.printMultiple();
    }
}
```