

# YOUR TASK: getGCF()

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## What Is It?

You will create a Java method called: `public static String[] getGCF() {}`. It will output two randomly generated integers between 10 and 100 as well as the GCF of those two numbers. It will then return the question (i.e. “What is the GCF of \_ and \_”) and the answer in string form in a `String[]` array. **The GCF should not be one of the two initial numbers.** I would recommend first generating the desired GCF and then multiplying that value by two other random numbers to get the two other numbers.

## Specifications:

- The two numbers whose GCF is found should be between 10 and 100.
- In the `String[]` array that is returned, the first string should be the question.
  - The question should be: “What is the GCF of \_ and \_?” (where the blanks are replaced by the random numbers)
  - The answer should simply be the string form of the GCF value (e.g. “40”)
- You may create helper methods as long as you include them in your code.
- You may import libraries as long as you include import statements in your code.
- You may not create your own classes.
- The return value should be a `String[]` array of length 2.
  - The first value will be the question in string form.
  - The second value will be the answer in string form.
- Please **comment your code**.

## Sample Input:

There is no input for this method.

## Sample Output:

- [“What is the LCM of 52 and 78?”, “26”]
- [“What is the LCM of 48 and 40?”, “80”]
- [“What is the LCM of 100 and 30?”, “10”]
- [“What is the LCM of 25 and 55?”, “5”]

## Starter Code:

```
public static String[] getLCM() {  
  
}
```

## Submission Notes

- Send this to me as a **.java** file (email: [abhargava@tcs.on.ca](mailto:abhargava@tcs.on.ca), or iMessage it to mem)
- Please tell me how long this took you (actual work time).