

# Homework 4

1. This should work since you are able to divide each int in half before adding to each other

```
public static int average(int j, int k) {  
  
    // dont work  
  
    // int avg0 = (j + k) / 2;  
  
    // int avg1 = (j / 2) + (k / 2);  
  
    // int avg2 = ((j / 2) * 2) + ((k / 2) * 2) / 2;  
  
    // does work  
  
    int avg3 = (int) ((j / 2.0) + (k / 2.0));  
  
    return avg3;  
  
}
```