

Name _____ & _____

This is a group assignment (2 students per group).

1. Write a method that calculates the price per slice of a pizza. Ask the user for the number of slices and the price. Display the answer in the form: \$2.95
2. Write a method that asks the user for 2 integers. Set each value to a variable. Print the values of each variable. Swap the VALUES of the variables and reprint each. DO NOT JUST PRINT THEM IN THE REVERSE ORDER.
3. Write a method that asks the user for 4 grades (doubles) and prints out the user's average to one decimal point and their letter grade. Use printf() to get the printout correct.
4. Write a method that calculates the number of people, sacks, cats, and kits that the narrator of the following encountered on his/her journey. Show the value of each and the grand total.

As I was going to St. Ives,
I met a man with seven wives,
Each wife had seven sacks,
Each sack had seven cats,
Each cat had seven kits:
Kits, cats, sacks, and wives,
How many were there going to St. Ives?

5. Write a method that RETURNS the sum of two dice randomly being rolled. Call the method by sending the number of sides for each dice. So, for example: in your main() method you should only have to write:

```
System.out.printf( "You rolled: %d\n", rollDice(6, 12) );
```

The method would roll one 6-sided and one 12-sided die and return the sum.

6. Write a method called muid that is sent a first, last, and middle name and will return a formatted string that represents Miami's MUID.
7. Write a method called daysInMonth(...) that takes a year and a month and returns the number of days in that month. The following code will help you determine if the year is a leap year:

```
if (((year % 4 == 0) &&!(year % 100 == 0)) || (year % 400 == 0))  
    // yes, this is a leap year so there are 29 days  
else  
    // no, this is not a leap year so there are 28 days
```

Turn in this sheet and 1 .java file with both names in a commented area at top of the file