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1  Module DiceAssignment
2      Sub Main()
3          Dim sum As Integer
4          Dim MyArray(12, 3) As Decimal
5          Dim rollNum As Integer = 1000
6          Dim totalPercent As Decimal
7          For i = 1 To rollNum
8              Randomize()
9              sum = Int((6 * Rnd()) + 1) + Int((6 * Rnd()) + 1)
10             'Console.WriteLine(sum)
11             'add a count to the corresponding sum
12             MyArray(sum, 2) += 1
13
14             'myArray(row, column)
15             For j = 2 To 12
16                 'display the number of the row (possible sums)
17                 MyArray(j, 1) = j
18                 'calculate chance of roll
19                 MyArray(j, 3) = Decimal.Round(MyArray(j, 2) / rollNum * 100, 1)
20             Next
21         Next
22
23         'display array
24         Console.WriteLine("          Total Dice      Times Rolled      % Chance")
25         For i = 2 To 12
26             For j = 1 To 3
27                 'Console.WriteLine(MyArray(i, j))
28                 Console.Write(MyArray(i, j).ToString().PadLeft(15) & "|")
29             Next
30             Console.WriteLine()
31         Next
32         For i = 2 To 12
33             totalPercent += MyArray(i, 3)
34         Next
35         Console.WriteLine(totalPercent.ToString().PadLeft(47) & "|")
36         Console.ReadLine()
37     End Sub
38 End Module
39 'code line count: 5 to write total % column. 24 for everything else not counting
    empty lines and comments

```