



A diagram consisting of several colored circles and lines. There are three purple circles, two orange circles, and one yellow circle. Lines connect some of these circles to specific parts of the code: a purple circle at the top connects to 'Float'; an orange circle connects to 'int count = 0;'; a purple circle connects to 'while'; a purple circle connects to 'sum = sum + numbers[count];'; an orange circle connects to 'count = count + 1;'; a purple circle connects to 'float average = sum / (float) count;'; and a purple circle connects to 'return average;'. A yellow circle is positioned near the 'int sum = 0;' line but is not connected to it.

```
public static Float arrayAverage(int[] numbers) {  
    int count = 0;  
    int sum = 0;  
  
    while (count < numbers.length) {  
        sum = sum + numbers[count];  
        count = count + 1;  
    }  
  
    float average = sum / (float) count;  
    return average;  
}
```