

AP Chapter 6 Worksheet 2 while Loop

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Pts: 10

Name _____

class hour _____

I.1) Write the output of the following program segment (2 pts):

```
int number = 1;
while (number < 11)
{
    number++;
    System.out.print(number + " ");
}
System.out.print("Bye");
```

Output: _____

2) By merely rearranging the order of the statements (not changing how any of them are written), make the loop above output the numbers from 1 to 10 inclusive. Indicate how to do this by using arrows in the above problem. (1 pt)

II. When the following code is executed, how many iterations of the loop will be performed?

```
int count = 0;
int number = 2;
boolean done = false;
while (!done)
{
    number = number * 2;
    if (number > 64)
        done = true;
    count++;           // This is the iteration counter!
}
```

(2 pts) Answer: _____