Critical Thinking

1. The purpose of a loop structure is to repeat a certain block of code either while or until a certain condition is met.

5. The loop will repeat 60 times

7. Counters count how many times a loop has been completed. Accumulators add numbers by a variable amount. Two examples of counters would be: checking the number of turns in a game, and checking the number of years in an interest calculator. Two examples of accumulators would be: totaling score when you can earn more than one point per move and calculating interest (amount \*= 1.07)

8. public class Main

{

public static void main(String[] args) {

int ans = 0;

for(int i = 3; i < 11; i++){

ans += i;

}

System.out.println(ans);

}

}

11.

a) 10

b) “my s“

c) “my string.”

d) “MY STRING.”

e)”my string.”

12.

a) False

b) True

c) 24

d) 0

e) -8

f) 9

g) 9

h) True

i) False