

While loops (indefinite pre-test iteration, chapter 5)

Do NOT write on this test. Record all answers on the bubble sheet. **Closed book. No notes.** Work strictly from memory. **No calculators. No time limit. Scratch paper okay.**

How many times does the body of the loop execute? (Mark 9 if 9 or more.)

- 1/1p. int d=1; while(d-- >= -6) body;
- 2/1p. int x=3; while(++x != 4) body;
- 3/1p. int h=5; while(++h >= -1) body;
- 4/1p. int v==5; while(--v != -9) body;
- 5/1p. int r=9; while(r-- != 8) body;
- 6/1p. int r=-5; while(r-- != -9) body;
- 7/1p. int q=9; while(--q > 8) body;
- 8/1p. int s=-7; while(s++ != -4) body;
- 9/1p. int w=-5; while(++w > -8) body;
- 10/1p. int d=-6; while(++d > -13) body;
- 11/1p. int a=-3; while(++a != 2) body;
- 12/1p. int i=7; while(--i < 12) body;
- 13/1p. int y=-9; while(++y < -4) body;
- 14/1p. int q=10; while(++q != 15) body;
- 15/1p. int z=4; while(z-- >= 5) body;
- 16/1p. int a=4; while(a++ != 4) body;
- 17/1p. int k=-10; while(++k != -6) body;
- 18/1p. int v=9; while(v++ != 6) body;
- 19/1p. int h=10; while(++h != 19) body;
- 20/1p. int t=8; while(--t >= 3) body;

Total points 20.

Answer Key (points per line)

1 (1).	8
2 (1).	0
3 (1).	9
4 (1).	3
5 (1).	1
6 (1).	4
7 (1).	0
8 (1).	3
9 (1).	9
10 (1).	9
11 (1).	4
12 (1).	9
13 (1).	4
14 (1).	4
15 (1).	0
16 (1).	0
17 (1).	3
18 (1).	9
19 (1).	8
20 (1).	5

Total points 20.