

Do-While loops (indefinite post-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 h=-6; do body; while( ++h != -5 );`
- 2/1p. `int g=2; do body; while( ++g != 8 );`
- 3/1p. `int i=-9; do body; while( i-- != -16 );`
- 4/1p. `int d=9; do body; while( d-- >= 3 );`
- 5/1p. `int p=0; do body; while( --p < 4 );`
- 6/1p. `int r=-6; do body; while( ++r < -4 );`
- 7/1p. `int d=-2; do body; while( ++d < 2 );`
- 8/1p. `int r=0; do body; while( r++ < 0 );`
- 9/1p. `int b=6; do body; while( b++ <= 11 );`
- 10/1p. `int m=5; do body; while( --m >= 1 );`
- 11/1p. `int b=-7; do body; while( b++ < -6 );`
- 12/1p. `int z=6; do body; while( --z != 9 );`
- 13/1p. `int b=-5; do body; while( b++ < 1 );`
- 14/1p. `int z=-10; do body; while( z-- != -3 );`
- 15/1p. `int g=8; do body; while( g-- != 1 );`
- 16/1p. `int s=10; do body; while( s++ <= 16 );`
- 17/1p. `int m=-2; do body; while( --m >= -4 );`
- 18/1p. `int x=0; do body; while( x++ != 4 );`
- 19/1p. `int a=-9; do body; while( ++a < -2 );`
- 20/1p. `int f=-3; do body; while( f++ != 0 );`

Total points 20.

Answer Key (points per line)

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

Total points 20.