

Precedence + - * / %

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.**

Precedence: What is the value of each expression? Mark (I) for error, (J) for none of the above.

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|--------|---------------|---------|---------|---------|---------|---------|--------|--------|--------|
| 1/1p. | $7-6\%5/3-4$ | (A) -20 | (B) -6 | (C) -4 | (D) -2 | (E) -1 | (F) 7 | (G) 8 | (H) 11 |
| 2/1p. | $5+6/4+2-9$ | (A) -50 | (B) -35 | (C) -8 | (D) -5 | (E) -4 | (F) -1 | (G) 3 | (H) 59 |
| 3/1p. | $8-4/2/4-1$ | (A) -13 | (B) -4 | (C) -1 | (D) 2 | (E) 7 | (F) 8 | (G) 9 | (H) 12 |
| 4/1p. | $8\%7*1/7+9$ | (A) -80 | (B) -21 | (C) -17 | (D) 8 | (E) 9 | (F) 20 | (G) 44 | (H) 67 |
| 5/1p. | $2/9/9*7+8$ | (A) -88 | (B) -50 | (C) 0 | (D) 8 | (E) 22 | (F) 27 | (G) 30 | (H) 47 |
| 6/1p. | $2*7-0+1+8$ | (A) -43 | (B) -4 | (C) 5 | (D) 20 | (E) 23 | (F) 24 | (G) 32 | (H) 75 |
| 7/1p. | $4-7-5\%9*4$ | (A) -32 | (B) -23 | (C) -4 | (D) 2 | (E) 4 | (F) 5 | (G) 8 | (H) 28 |
| 8/1p. | $4+8+9/7-7$ | (A) -57 | (B) -40 | (C) -11 | (D) -1 | (E) 6 | (F) 23 | (G) 38 | (H) 50 |
| 9/1p. | $8-8*6*0*2$ | (A) -69 | (B) 0 | (C) 8 | (D) 16 | (E) 29 | (F) 32 | (G) 82 | (H) 90 |
| 10/1p. | $7+4/5+2/8$ | (A) -42 | (B) 0 | (C) 2 | (D) 7 | (E) 38 | (F) 70 | (G) 83 | (H) 96 |
| 11/1p. | $1/7+9\%5+1$ | (A) -40 | (B) -17 | (C) -4 | (D) 0 | (E) 1 | (F) 2 | (G) 3 | (H) 19 |
| 12/1p. | $6/2/3*6-5$ | (A) -93 | (B) -35 | (C) -23 | (D) -5 | (E) -2 | (F) 0 | (G) 1 | (H) 27 |
| 13/1p. | $8-6\%5-9*1$ | (A) -81 | (B) -7 | (C) -2 | (D) 10 | (E) 16 | (F) 30 | (G) 49 | (H) 52 |
| 14/1p. | $4/1-8\%3/6$ | (A) -97 | (B) -55 | (C) -23 | (D) -4 | (E) 0 | (F) 4 | (G) 41 | (H) 73 |
| 15/1p. | $6*1*1-6+4$ | (A) -75 | (B) -54 | (C) -49 | (D) -27 | (E) -26 | (F) -6 | (G) -4 | (H) 52 |
| 16/1p. | $8-1/2-0-2$ | (A) -14 | (B) 1 | (C) 5 | (D) 6 | (E) 10 | (F) 25 | (G) 61 | (H) 64 |
| 17/1p. | $1/6-9\%4*1$ | (A) -61 | (B) -56 | (C) -1 | (D) 0 | (E) 1 | (F) 3 | (G) 12 | (H) 30 |
| 18/1p. | $7/5+9/3-8$ | (A) -8 | (B) -7 | (C) -5 | (D) -4 | (E) -2 | (F) -1 | (G) 0 | (H) 2 |
| 19/1p. | $8/7+8*1/4$ | (A) -88 | (B) -48 | (C) 0 | (D) 1 | (E) 2 | (F) 3 | (G) 16 | (H) 47 |
| 20/1p. | $3-6*1\%5\%2$ | (A) -28 | (B) -19 | (C) -3 | (D) 1 | (E) 2 | (F) 3 | (G) 4 | (H) 52 |
| 21/1p. | $9-7/5-6+0$ | (A) -61 | (B) -16 | (C) -6 | (D) -2 | (E) 1 | (F) 2 | (G) 16 | (H) 23 |
| 22/1p. | $3-1-5/4+3$ | (A) -31 | (B) -2 | (C) 0 | (D) 1 | (E) 2 | (F) 4 | (G) 6 | (H) 7 |
| 23/1p. | $1*9+4*9/7$ | (A) -74 | (B) 6 | (C) 13 | (D) 16 | (E) 20 | (F) 31 | (G) 64 | (H) 67 |
| 24/1p. | $4-3\%4\%1*8$ | (A) -76 | (B) -33 | (C) -21 | (D) -8 | (E) 0 | (F) 32 | (G) 34 | (H) 65 |
| 25/1p. | $3+8+2*6+1$ | (A) -87 | (B) -73 | (C) -49 | (D) 8 | (E) 64 | (F) 73 | (G) 79 | (H) 91 |

Total points 25.

Answer Key (points per line)

1	(1)	J	(3)
2	(1)	F	(-1)
3	(1)	E	(7)
4	(1)	E	(9)
5	(1)	D	(8)
6	(1)	E	(23)
7	(1)	B	(-23)
8	(1)	E	(6)
9	(1)	C	(8)
10	(1)	D	(7)
11	(1)	J	(5)
12	(1)	G	(1)
13	(1)	C	(-2)
14	(1)	F	(4)
15	(1)	J	(4)
16	(1)	D	(6)
17	(1)	C	(-1)
18	(1)	D	(-4)
19	(1)	F	(3)
20	(1)	E	(2)
21	(1)	F	(2)
22	(1)	F	(4)
23	(1)	J	(14)
24	(1)	J	(4)
25	(1)	J	(24)

Total points 25.