

# JavaScript test

This test tries to evaluate to what extent you're familiar with some basic concepts and syntax in JavaScript. (The code also gives the same results in ActionScript 1.0/2.0.)

No computer may be used during the test. Time limit: 15 minutes.

The following code has been run. (The line numbers to the left is not part of the code.)

```
01 | var a = {}, b = "abcdefghijklmnopqrstuvw".split(' ');
02 | for(var c = 0; c<b.length; c++){a[b[c]] = {}};
03 | Object.prototype.c = 3;
04 | Number.prototype.c--;
05 | a.a = a.m = 3;
06 | a.b.c = a.c.c = a.l.c = a.a.c*4;
07 | a.d.c = a.g.c = 0;
08 | a.e = a.f;
09 | a.e.c++;
10 | a.h.c = !a.h+1;
11 | a.j = a.k = a.h;
12 | a.i.c += !!a.h*2;
13 | a.n.c = a.n.d;
14 | a.o.c = a.n.c || null;
15 | a.t.c = "" || ""+1;
16 | a.p.c = a.n.c === a.o.c;
17 | a.q.c = a.t.c / "a";
18 | a.r.c = a.n.c == a.o.c;
19 | a.u = function(){
20 |     arguments.callee.c = 2;
21 |     var x = 4;
22 |     return {
23 |         c: 2,
24 |         d: function(a){
25 |             x++;
26 |             x -= a || 0;
27 |             return x
28 |         }
29 |     };
30 | };
31 | a.v = a.u();
32 | a.w.c = a.v.d();
33 | a.x.c = a.v.d(1);
```

Please state the value of the following variables:

- |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| a.a.c | _____ | a.g.c | _____ | a.m.c | _____ | a.s.c | _____ |
| a.b.c | _____ | a.h.c | _____ | a.n.c | _____ | a.t.c | _____ |
| a.c.c | _____ | a.i.c | _____ | a.o.c | _____ | a.u.c | _____ |
| a.d.c | _____ | a.j.c | _____ | a.p.c | _____ | a.v.c | _____ |
| a.e.c | _____ | a.k.c | _____ | a.q.c | _____ | a.w.c | _____ |
| a.f.c | _____ | a.l.c | _____ | a.r.c | _____ | a.x.c | _____ |