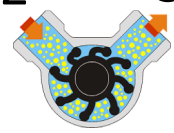
CALCULATOR with MEMORY

Evaluation of Expressions

3+2 5

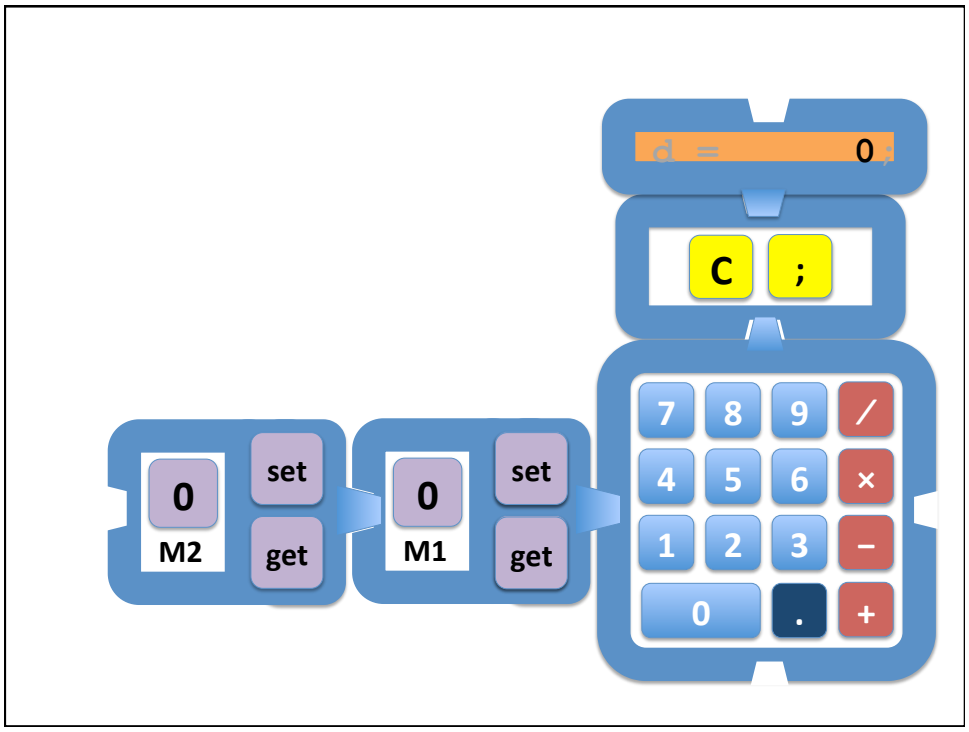


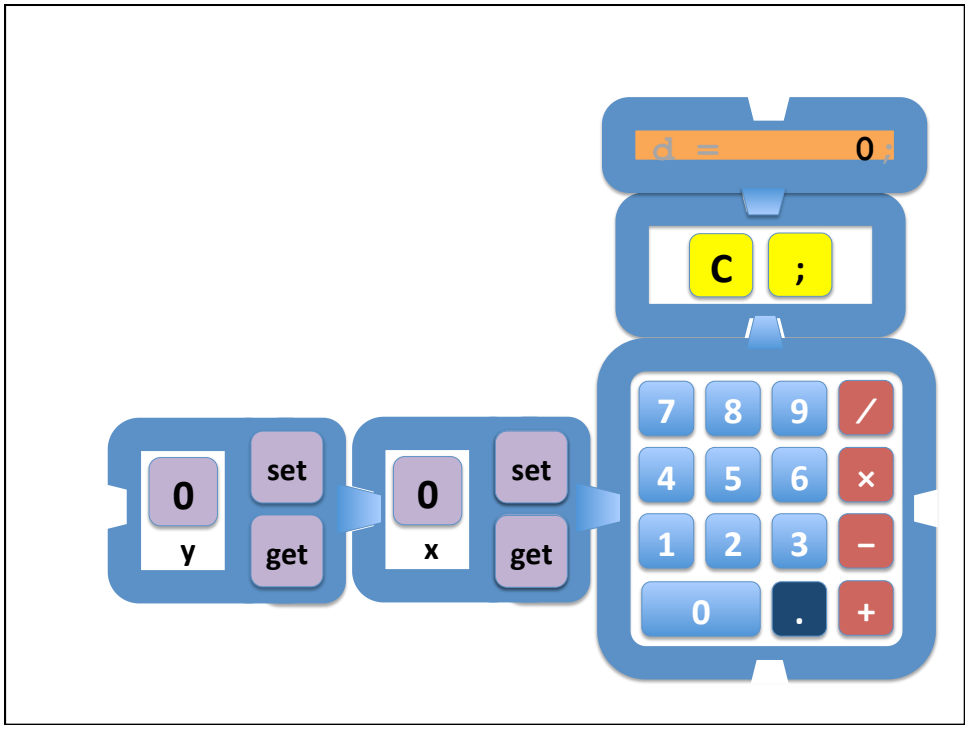
(3+2)-4 5-4 1

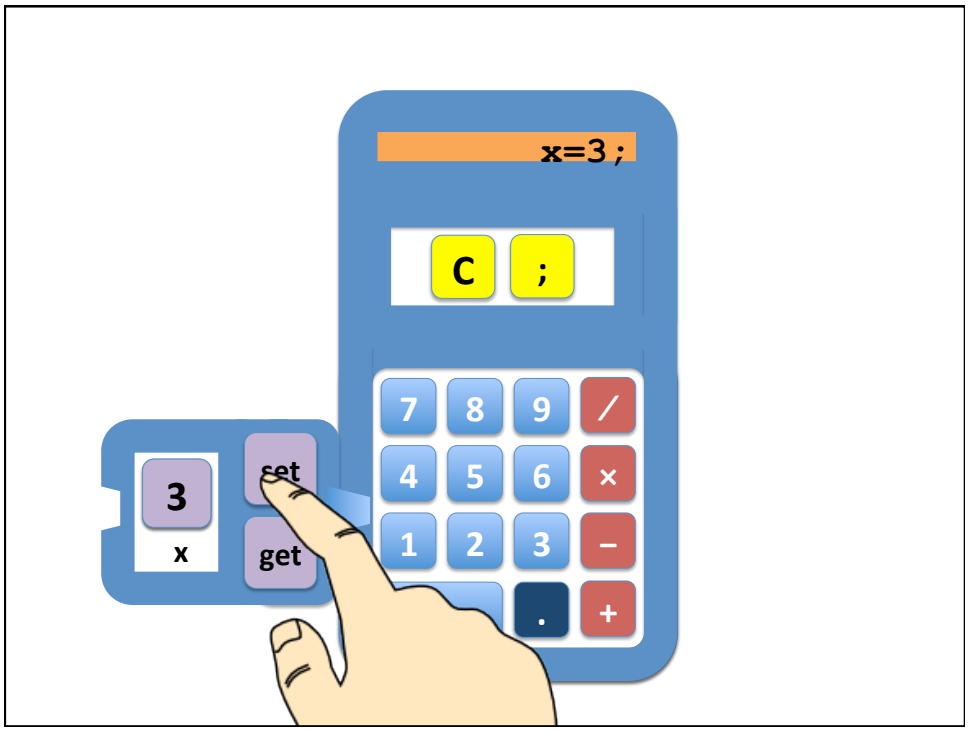
Evaluation of Expressions

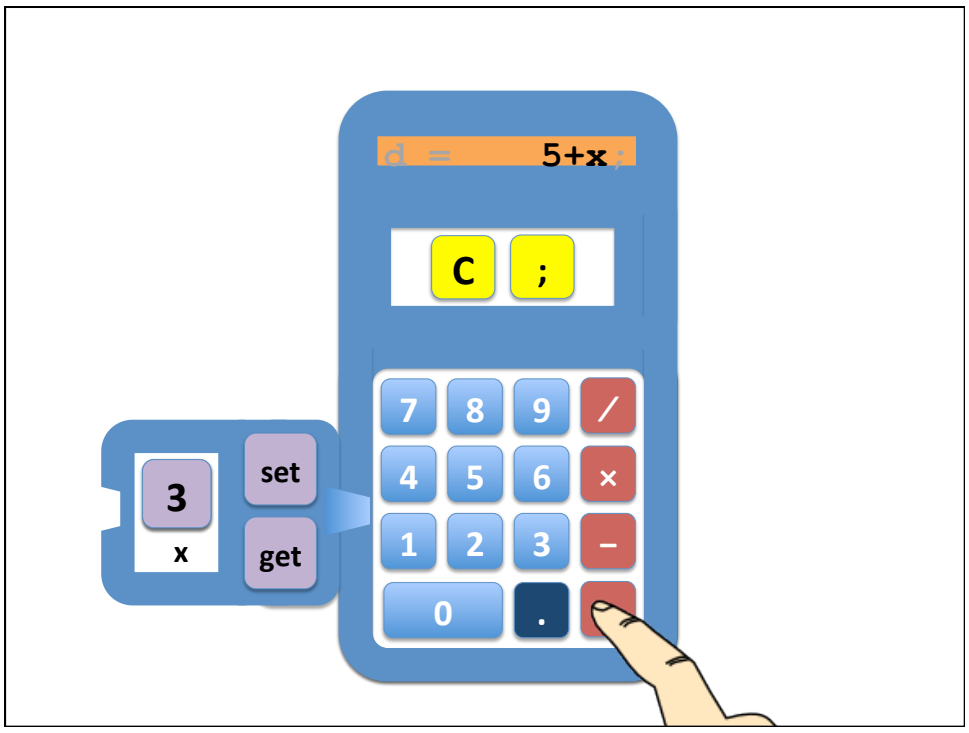
(((32+24)/7)-4)/4 1

(((32+24)/7)-4)/4 1


d = 0;
C ;
7 8 9 /
4 5 6 ×
1 2 3 −
0 . +
0
M2
set
get
0
M1
set
get


d = 0;
C ;
7 8 9 /
4 5 6 ×
1 2 3 −
0 . +
0
y
set
get
0
x
set
get

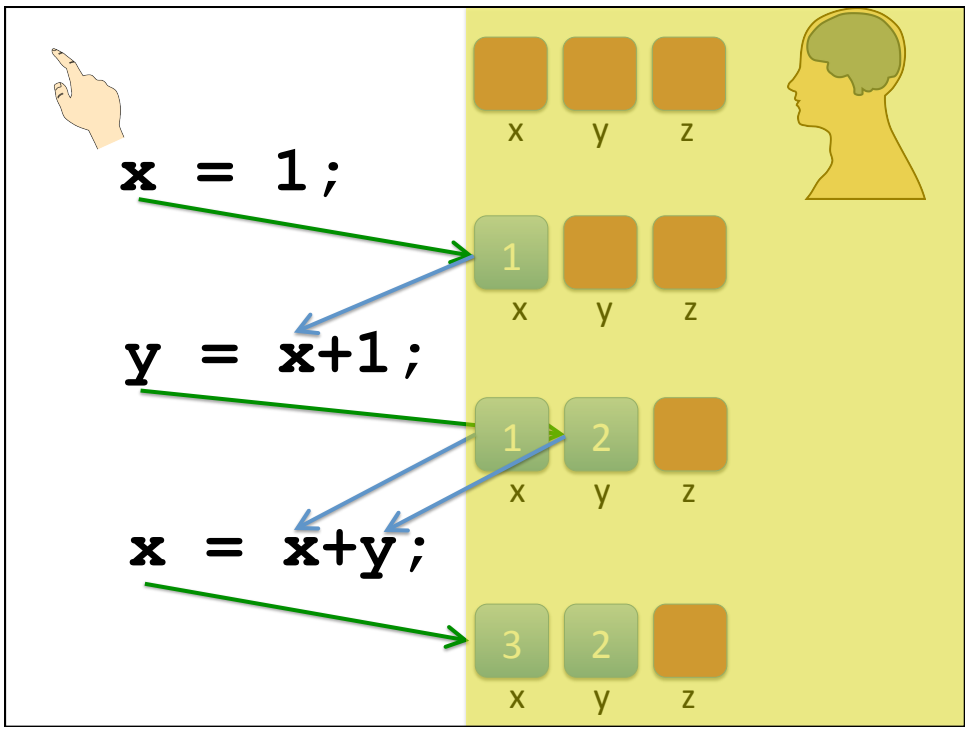

x=3;
C
;
7
8
9
/
4
5
6
×
1
2
3
−
.
+
3
x
set
get

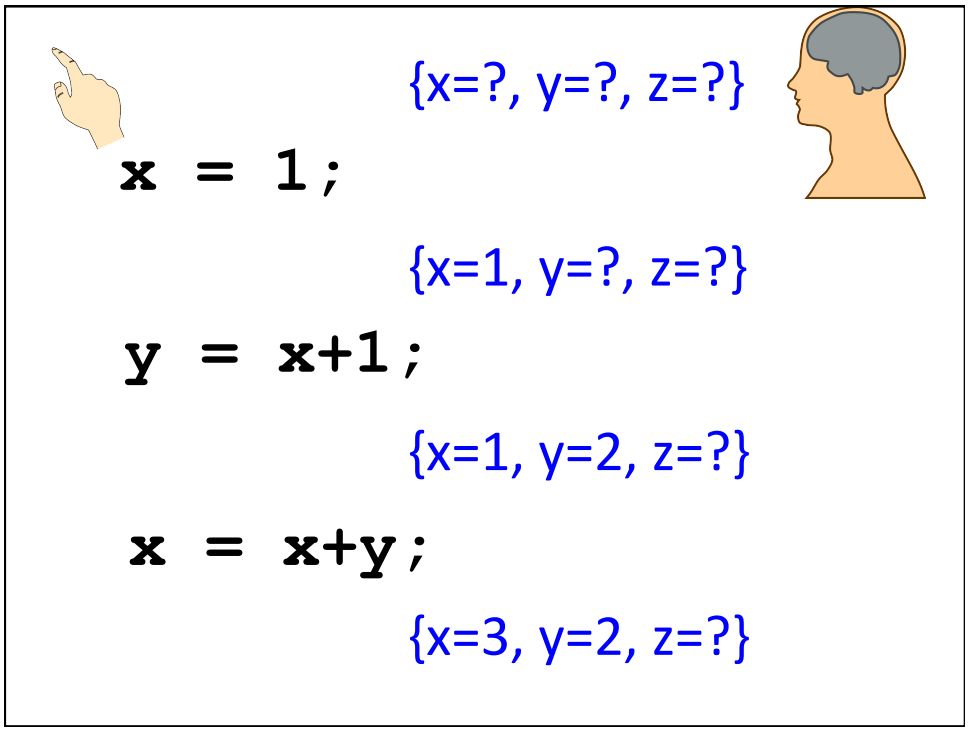

d = 5+x;
C
;
7
8
9
/
4
5
6
×
1
2
3
−
0
.
3
x
set
get

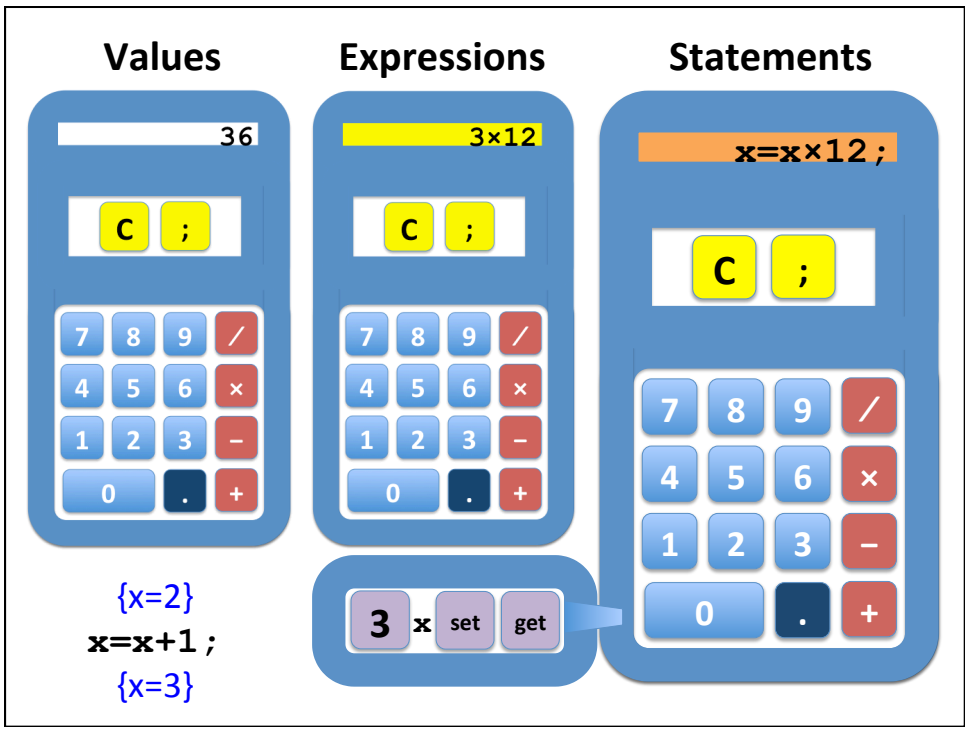
Assignment Statement

```
x = 3;
x = 3+4;
x = 3+y;
x = 3+x;
```

<Variable> = <Expression> ;




{x=?, y=?, z=?}
x = 1;
{x=1, y=?, z=?}
y = x+1;
{x=1, y=2, z=?}
x = x+y;
{x=3, y=2, z=?}


Values
Expressions
Statements
36
3×12
x=x×12;
C
;
7 8 9 /
4 5 6 ×
1 2 3 −
0 . +
{x=2}
x=x+1;
{x=3}
3 x set get