Range of how you can specify WHICH variable.

- simple, lonely variable.
- one array element

votes[any expression of an int]

Assign
<var> = ..

Meth Param.
Fun(<var>)
(say print( ) )

<var>++

Range of what you can DO to or with variables..
context: int pk; inside a loop body, the value of “pick” pk is a candidate number.
Outside the loop: int v[ ] = new int[6];

This is how computer scientists think..
This is how computer scientists think..

Every choice in the y dimension can be combined with every choice in the x dimension.

context: int pk;  inside a loop body. Value of pk “pick” is a candidate number.
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Every choice in the y dimension can be combined with every choice in the x dimension. This (really nice!) feature in Java language DESIGN is called ORTHOGONALITY

This is how computer scientists think.
x = 1; print(x); x++; 
v[pk]=1; print(v[pk]); v[pk]++; 

(really nice!) feature: Where an int variable is located ----local to a method, array element, instance variable (stay tuned!)------ is ORTHOGONAL (at right angles) to:

What you can make the computer do to the variable.