

## Selection Sort Count

$n-1$

$n-2$

$n-3$

$\vdots$

1

assume: 10 (Arr Size)

$$9+8+7+6+5+4+3+2+1$$

45

sum of  
step count

$$\frac{n(n-1)}{2}$$

Because  
we only need  
to make  $n-1$  passes

$$O(n^2)$$