Binary Search (algorithm)

If odd: use int to cast the midpoint, or can add 1 (since it’s odd and dividing in 2 won’t work)

Steps: (pseudocode)

Pseudocode: kind of or almost code (half code, half English)

Repeat until the (sub)array is of size 0:

* Calculate the middle point of the current(sub)array.
* If target is at middle, stop.
* Otherwise, if the target is less than what’s at the middle, repeat, changing the end point to be just to the left of the middle.
* Otherwise, if the target is greater than what’s at the middle, repeat, changing the start point to be just to the right of the middle

Best case scenario: midpoint is the value you want

Worst case scenario: value isn’t found or is located in the upper half of the array’s division