Change the project from your coding test:

Use Runtime.getRuntime().totalMemory() and Runtime.getRuntime().freeMemory() to measure size of used memory.

Use System.gc() to activate GC

Use Thread.sleep(10) to wait till GC finished

Calculate size of *int* by measuring of the used memory before and after creation of the array.

* Using your solution, measure the size of *reference* and the size of *Object*