

1. 2
2. `int[] quantities = new int[20];`
3. `Double[] heights = new double[3];`
`heights[0] = 1.65`
`heights[1] = 2.15`
`heights[2] = 4.95`
4. `for (int i = 0; i < grades.length; i++) {`
`grades[i] = i;`
`System.out.println(grades[i]);`
`}`
6. Passing a single element allows you to modify those specific elements whereas you wouldn't be able to if you passed the entire array.
7. Because you may need the array to start at 1 instead of 0
8. `i`