

# Chapter 9 CRT

1.

The third element has an index value of 2 (arrays start at index 0).

2.

```
int[] quantities = new int[20];
```

3.

```
double[] heights = {1.65, 2.15, 4.95};
```

4.

```
for (int g : grades) {  
    System.out.println(g);  
}
```

6.

Passing an entire array lets the method access all elements, while passing a single element only passes one value.

7.

Offset array indexes are used when the data doesn't start at 0, so the index needs to be adjusted to match real values.

8.

i

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10.

A dynamic array is better when you don't know how many items you will need, like storing a list of students joining a class.

11.

`indexOf()` uses the `equals()` method to check if two objects are equal.

12.

Wrapper class objects are compared using the `equals()` method, not `==`.