

1. Which two create an instance of an array? (Choose two.)

- A. `int[] ia = new int[15];`
- B. `float fa = new float[20];`
- C. `char[] ca = "Some String";`
- D. `Object oa = new float[20];`
- E. `int ia[][] = { 4, 5, 6 }, { 1, 2, 3 };`

**Answer: AD**

2. Given:

- 1. `public class ArrayTest {`
- 2. `public static void main(String[] args) {`
- 3. `float f1[], f2[];`
- 4. `f1 = new float[10];`
- 5. `f2 = f1;`
- 6. `System.out.println("f2[0] = " + f2[0]);`
- 7. `}`
- 8. `}`

What is the result?

- A. It prints `f2[0] = 0.0`.
- B. It prints `f2[0] = NaN`.
- C. An error at line 5 causes compile to fail.
- D. An error at line 6 causes compile to fail.
- E. An error at line 6 causes an exception at runtime.

**Answer: B**

3. Which two cause a compiler error? (Choose two.)

- A. `int[] scores = {3, 5, 7};`
- B. `int [][] scores = {2,7,6}, {9,3,45};`
- C. `String cats[] = {"Fluffy", "Spot", "Zeus"};`
- D. `boolean results[] = new boolean [3] {true, false, true};`
- E. `Integer results[] = {new Integer(3), new Integer(5), new Integer(8)};`
- F. `String[] dogs = new String[] {new String("Fido"),new String("Spike"),new String("Aiko")};`

**Answer: BD**

4. Which three form part of correct array declarations? (Choose three.)

- A. `public int a []`
- B. `static int [] a`
- C. `public [] int a`
- D. `private int a [3]`
- E. `private int [3] a []`
- F. `public final int [] a`

**Answer: ABE**

5. Which two cause a compiler error? (Choose two.)

- A. `float[] f = new float(3);`
- B. `float f2[] = new float[];`
- C. `float[] f1 = new float[3];`
- D. `float f3[] = new float[3];`
- E. `float f5[] = { 1.0f, 2.0f, 2.0f };`
- F. `float f4[] = new float[] { 1.0f, 2.0f, 3.0f };`

**Answer: AB**

6. Given:

- 12. `float f[][][] = new float[3][][];`
- 13. `float f0 = 1.0f;`
- 14. `float[][] farray = new float[1][1];`

Which is valid?

- A. `f[0] = f0;`
- B. `f[0] = farray;`