ANSWER KEY

Lesson Quiz Answer Key

The quiz is worth 11 points. Each Part A item is worth one point, and each Part B item is worth two. Give a Part B answer 2 points when it has the sample's idea, in any words, and 1 when it is partly right.

Part A: Multiple choice

Quick key: 1-A 2-B 3-B 4-C 5-B 6-B 7-C

1. Correct: (A) `public static void main(String[] args) {`

Java starts running every program in the `main` method. Java never looks for a method named `start`, and `public class Main {` starts the class.

2. Correct: (B)

```
1  System.out.print("Sun");
2  System.out.println("day");
```

Output

```
Sunday
```

`print` *stays on the same line and adds no space, so day prints right after Sun.*

3. Correct: (B) 2

```
1  System.out.println("Wake up.");
2  System.out.print("Brush ");
3  System.out.print("teeth.");
4  System.out.println(" Eat.");
```

Line 1 ends the first line. Lines 2, 3 and 4 print on the second line, and line 4 ends it.

4. Correct: (C) Line 2

```
1  System.out.println("Open at 9.");
2  System.out.println("Closed Sunday.")
3  System.out.println("Call us!");
```

Line 2 has no semicolon at its end, so Java names line 2.

5. Correct: (B) 2 words: pizza and 3

`args` *holds the words typed after the program's name, so it holds pizza and 3.*

6. Correct: (B) `System.out.Println("Bye!");`

Java cares about capital letters. `Println` with a capital P is not a name Java knows.

7. Correct: (C)

```
1  // System.out.println("One");
2  System.out.println("Two");
3  /* System.out.println("Three"); */
```

Output

```
Two
```

Lines 1 and 3 are comments, so Java skips them. Only line 2 prints.

Part B: Written answers

8. Beatrice wants her name and her grade on one line, but her code prints them on two lines, as you see below. Explain why, and rewrite line 1 so both print on one line. Write 2 sentences.

```
1  System.out.println("Beatrice, ");
2  System.out.println("grade 9");
```

Output

```
Beatrice,
grade 9
```

Look for

- `println` on line 1 ends the line, so the text of line 2 starts a new line.
- The fix is `System.out.print("Beatrice, ");` on line 1.

Model response

`println` *on line 1 ends the line, so grade 9 starts a new line. Line 1 should be* `System.out.print("Beatrice, ");`.

9. This program has two compile errors, but Java's message names only one of them. Which line does Java name first, and why doesn't it name the other error yet? Write 2 sentences.

```
1  System.out.println("Club meets Friday.")
2  System.out.printLn("Bring a snack.");
```

Look for

- Java names line 1 first, the line with no semicolon.
- Java can't read past that mistake. The `printLn` error on line 2 shows only after the semicolon is fixed and the code compiles again.

Model response

Java names line 1, which has no semicolon. Java can't read past that mistake, so the `printLn` error shows only after the fix.