ANSWER KEY

Answer Key: Day 3

Every page for this day is keyed, and nothing is left as "answers will vary." This file covers the bell ringer, the guided notes and the exit ticket. In this folder, the key for the Sign Maker sheet is in Activity_and_Lab_Keys.pdf.

Bell Ringer: Noor's sign

Look for

- Question 1: 5 is right, because each line of output needs its own `print()`, even the blank one. Give the point for any number with a reason.
- Question 2: any reasoned guess, like a `print()` with nothing inside it.

Model response

Noor's sign needs 5 `print()` lines, one for each line. A blank line comes from a `print()` with nothing inside it.

Guided Notes: Day 3

Blanks are shown filled in, in order.

Blank lines

```
1  print("SCIENCE FAIR")
2  print()
3  print("Gym")
4  print()
5  print("Saturday at 10")
```

Output

```
SCIENCE FAIR

Gym

Saturday at 10
```

A **blank line** is a line of output with nothing on it.

An **empty print()** has nothing inside its parentheses. It prints a blank line.

Blank lines split a sign into parts, so it's **readable**, or easy to read.

Symbols and spaces

```
print("* * * * * *")
print("  ART SHOW")
print("* * * * * *")
```

Output

```
* * * * * *
  ART SHOW
* * * * * *
```

A **character** is one letter, digit, space or mark.

A **symbol** is a mark like `*`, `-` or `=`. Inside quotes, it prints just like a letter.

A **border** is a row of symbols on the top or the bottom of a sign.

Any **spaces inside quotes** print too. Two spaces before a word push it to the right.

Plan the layout

A sign's **layout** is where each line goes.

A **section** is one part of a sign, like the title or the time.

To **plan the output first**, write each line of the sign in order, with its blank lines. Then write one `print()` for each line.

Exit Ticket

The exit ticket is worth 3 points: 1 for each item.

1. Correct: (C) One blank line

An empty `print()` has nothing inside its parentheses, so it prints a line with nothing on it.

2. Correct: (A)

```
1  print("* * *")
```

Output

```
* * *
```

Every symbol and space inside the quotes prints, so the spaces between the stars stay. The quote marks don't print.

Item 3: written answer

```
print("CAR WASH")
```

Sample program

```
print()
print("Saturday at 9")
```

What the finished program prints

Output

```
CAR WASH

Saturday at 9
```

Look for

- An empty `print()` for the blank line, then a `print()` line with Saturday at 9 inside a matching pair of quotes.

Grade what the program does when it runs, not its exact lines.