Name _____

Repetition & Pattern Recognition - Continuing Like an LLM

Large Language Models (LLMs) are good at spotting **patterns** in language and numbers. Once they see a pattern, they can keep it going. You can do the same thing! In this activity, you'll read short sequences and continue them.

Directions - Look at the pattern in each problem. Write the next **three items** that should come next. Afterward, check the answer key to see if your continuation matches the pattern.

Example - Pattern: *1, 2, 3, …*   [Next three: *4, 5, 6*]

1. Cat, Dog, Cat, Dog, ... Next three: _____, _____, _____

2. Circle, Square, Circle, Square, ... Next three: _____, _____, _____

3. Apple, Banana, Apple, Banana, ... Next three: _____, _____, _____

4. Sun, Moon, Sun, Moon, ... Next three: _____, _____, _____

5. Red, Yellow, Blue, Red, Yellow, Blue, ... Next three: _____, _____, _____

6. Hot, Cold, Hot, Cold, ... Next three: _____, _____, _____

7. Chair, Table, Chair, Table, ... Next three: _____, _____, _____

8. Smile, Frown, Smile, Frown, ... Next three: _____, _____, _____

9. Winter, Spring, Summer, Winter, Spring, Summer, ... Next three: ____, ____, ____

10. Loud, Quiet, Loud, Quiet, ... Next three: _____, _____, _____

11. Day, Night, Day, Night, ... Next three: _____, _____, _____

12. Big, Small, Big, Small, ... Next three: _____, _____, _____