

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Smart AI Patterns for 3rd Grade Scholars

Learners identify how machines use data to spot patterns and make choices during this engaging computer science technology assessment.

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**1. If an AI is learning to identify different types of fruit, what does it need to see many examples of first?**

- A. Books about gardening
- B. Pictures of various fruits
- C. A list of grocery prices
- D. Videos of people eating

**2. AI can help a robot vacuum cleaner decide which path to take to avoid bumping into a sleeping dog.**

- A. True
- B. False

**3. When an AI gets better at a task after practicing with more information, we call this \_\_\_\_\_.**

- A. Baking
- B. Remote control
- C. Machine learning
- D. Battery charging

**4. Which of these is an example of an AI using a 'pattern' to help a human?**

- A. A clock ticking every second
- B. A music app suggesting a song you might like
- C. A flashlight turning on
- D. A pencil breaking

**5. An AI 'neural network' is a computer system that is inspired by how the human brain works.**

- A. True
- B. False

**6. An AI that can group photos of 'cats' and 'dogs' is using \_\_\_\_\_ recognition.**

- A. Weather
- B. Image
- C. Sound
- D. Math

**7. Think about a weather app that uses AI. How does it know if it might rain tomorrow?**

- A. It takes a lucky guess
- B. It asks a person nearby
- C. It analyzes data from past storms and current wind

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D. It looks out the window

**8. AI is only found in giant robots and cannot be used on a regular tablet or phone.**

- A. True
- B. False

**9. If you are teaching an AI to recognize a 'square,' what is the most important data to give it?**

- A. Photos of circles and triangles
- B. The color blue
- C. Many examples of shapes with four equal sides
- D. A song about geometry

**10. AI uses \_\_\_\_\_ to solve problems, which is like a very smart set of instructions.**

- A. Wood
- B. Algorithms
- C. Paper
- D. Paint