Name: _____   Date: _____

Operation Robot Brain: A 2nd Grade AI Investigation

Student apprentices sort data and train digital helpers in this hands-on check for understanding during your technology station rotation.

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1. Imagine you are teaching a robot to recognize fruit. If you show it 100 pictures of apples, what is the robot doing?

    A.   Taking a nap
    B.   Learning from data
    C.   Eating the apples
    D.   Playing a video game

2. True or False: A computer uses 'Artificial Intelligence' to solve problems in a way that mimics how humans think.

    A.   True
    B.   False

3. When a smart music player suggests a new song you might like, it is using a _____ system.

    A.   Weather
    B.   Recommendation
    C.   Braking
    D.   Cooking

4. Which of these is an example of an AI using 'computer vision' in the real world?

    A.   A toaster heating up bread
    B.   A flashlight turning on
    C.   A camera identifying a person's face to unlock a phone
    D.   A clock ringing an alarm

5. True or False: AI machines can learn to get better at a task the more they practice it.

    A.   True
    B.   False

6. A _____ is a smart robot that can talk to you and answer your questions using AI.

    A.   Handbag
    B.   Chatbot
    C.   Bicycle
    D.   Pillow

7. If an AI is helping a delivery robot find the best path across a busy park, it is using...

    A.   Magic

    B. Problem-solving

    C. Luck

    D. Telepathy

8. Computer models called _____ networks are inspired by the way the human brain works.

    A. Fishing

    B. Spider

    C. Neural

    D. Social

9. True or False: Robots are the only things that can use Artificial Intelligence.

    A. True

    B. False

10. How does an AI artist know how to draw a picture of a space cat?

    A. It went to art school

    B. It was born with a pencil

    C. It studied thousands of other drawings to learn patterns

    D. It uses a crystal ball