

Range Finder Lesson 1 Formative Assessment

1. What happened when you put your hand closer to the sensor?
 - a. **The ball sped up. (correct answer)**
 - b. The speed of the ball stayed the same.
 - c. The ball slowed down.
 - d. The ball wasn't affected.
2. What happened when you put your hand further away from the sensor?
 - a. The ball sped up.
 - b. The speed of the ball stayed the same.
 - c. **The ball slowed down. (correct answer)**
 - d. The ball wasn't affected.
3. What did you have to do to when the speed of the blinking gate was high?
 - a. I had to move my hand further to the right.
 - b. I had to move my hand further to the left.
 - c. **I had to move my hand closer to the sensor. (correct answer)**
 - d. I had to move my hand further away from the sensor.
4. What did you have to do when the blinking of the gate had a low speed?
 - a. I had to move my hand further to the right.
 - b. I had to move my hand further to the left.
 - c. I had to move my hand closer to the sensor.
 - d. **I had to move my hand further away from the sensor. (correct answer)**
5. Why did the rate of the bouncing ball increase?
 - a. Creating a bigger space allowed it to move faster.
 - b. **Creating a smaller space allowed it to move faster. (correct answer)**
 - c. The position of my hand measured the speed of the ball.
 - d. The position of my hand told the computer the speed of the ball.
6. What were you trying to match in the game?
 - a. The length of the bouncing ball to the distance to the gate.
 - b. **The speed of the bouncing ball and the flashing gate. (correct response)**
 - c. The movement of my hand to the movement of the bouncing ball.
 - d. The movement of my hand to the movement of the flashing gate.
7. How do you think you were controlling the game? (Open-ended, no incorrect responses)
8. How would you describe the difficulty of the puzzles? (Open-ended, no incorrect responses)

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9. How did your team work together to solve the puzzles? (Open-ended, no incorrect responses)

10. If you had a second try at the puzzles, what would you do differently? (Open-ended, no incorrect responses)