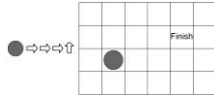


Master 45: Activity 15 Assessment

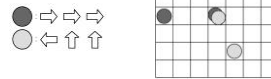
Coding Concurrent Events

Writing Code for Concurrent Events Behaviours/Strategies

1. Student describes the movement from one location to another on a grid, but code is not accurate. Code often contains one extra arrow, as student counts squares instead of steps.



2. Student describes the movement from one location to another on a grid and accurately writes code, but struggles to think about how their movements interact with a partner's movements.



3. Student uses guess and test strategies to add movements to their code so that both characters arrive at *Finish* at the same time.

"I added 2 steps, but I still goth there before you. Let's try again."

Observations/Documentation
<p>1. The patient is a 65-year-old male with a long history of hypertension and hyperlipidemia. He has been on antihypertensive therapy for 15 years and lipid-lowering therapy for 10 years. He reports no recent changes in his symptoms.</p> <p>2. The patient's blood pressure is 140/90 mmHg, heart rate is 72 bpm, and oxygen saturation is 98% on room air. His weight is 180 lbs and height is 5'10".</p> <p>3. The patient's physical examination is unremarkable. There are no signs of heart failure, such as rales or edema. His lungs are clear to auscultation.</p> <p>4. The patient's laboratory tests are within normal limits. His serum electrolytes, renal function, and liver function tests are all within the normal range.</p> <p>5. The patient's electrocardiogram (ECG) shows a normal sinus rhythm with a heart rate of 72 bpm. There are no significant ST-segment or T-wave abnormalities.</p> <p>6. The patient's chest X-ray shows no evidence of pulmonary congestion or other abnormalities. The heart size is within normal limits.</p> <p>7. The patient's echocardiogram shows a normal left ventricular size and function. The ejection fraction is 55%. There are no significant valvular abnormalities.</p> <p>8. The patient's medical history is significant for hypertension, hyperlipidemia, and a previous myocardial infarction 10 years ago. He has no current symptoms of heart failure.</p> <p>9. The patient's social history is significant for a 20-year history of smoking (1 pack per day) and a 10-year history of alcohol consumption (2-3 drinks per week). He has no current symptoms of heart failure.</p> <p>10. The patient's family history is significant for a father with a history of heart failure and a mother with a history of hypertension. There are no other family members with a history of heart failure.</p>

4. Student uses algebraic thinking to add movements to their code so that both characters arrive at *Finish* at the same time.

"If I go up then down, that adds 2 moves but doesn't actually move me anywhere."

5. Student acts out movements on a grid to see if characters land on the same square at the same time.

"We landed on the same square again. Let's change our codes and act it out again."

6. Student visualizes movements and successfully writes code, ensuring that players do not land on the same square at the same time.

"I start 4 squares to the left of you. Looking at our codes, we never get really close to each other until the Finish."

Observations/Documentation
