

Malott Homework Set# 1 Chapter 17 Ratio Schedules

MATCHING: Use each answer only once for question 1-5. (p.286)

- a. intermittent reinforcement
- b. continuous reinforcement
- c. schedule of reinforcement
- d. fixed-ratio schedule of reinforcement
- e. fixed-ratio responding

1. The way reinforcement occurs because of the number of responses, time between responses, and stimulus conditions.
2. A reinforcer follows the response only once in a while.
3. After a response is reinforced, no responding occurs for a period of time, then responding occurs at a high, steady rate until the next reinforcer is delivered.
4. A reinforcer follows a fixed number of responses.
5. A reinforcer follows each response.

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6. Postreinforcement pause, is the name of the pause after the consumption of the reinforcer and before the next ratio of responses begins. (p.286)  
~True or False?
7. The general rule for establishing intermittently reinforced behavior: First use continuous reinforcement and gradually DECREASE the intermittency of reinforcement as responding stabilizes at a high rate. (p.287)  
~True or False?
8. The effectiveness of the fixed-ratio schedule completely depends upon counting the number of responses required to produce the reinforcer. (p.287)  
~True or False?
9. Intermittent reinforcement is a specific term that includes ONLY variable-ratio. (p.289)~True or False?

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MATCHING: Use each answer only once for questions 10-14.

- a. cumulative record
- b. variable-ratio schedule of reinforcement
- c. variable-ratio responding
- d. discrete-trial procedure
- e. free-operant responding

10. Used in most Skinner-box research, where the animal is free to respond at various frequencies. (p.292)
11. A reinforcer follows after a variable number of responses. (p.288)
12. A high rate of responding with almost no postreinforcement pausing. (p.288)
13. Involves an SD, a single response, and an outcome, followed by an S delta; then next trial starts. (p.292)
14. Behavior analysts often use this type of graph when studying schedules of reinforcement. (p.288)
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15. Hybrid, discrete-trial/free-operant procedure: Each free-operant response itself consists of a discrete trial. (p.293)  
~True or False?