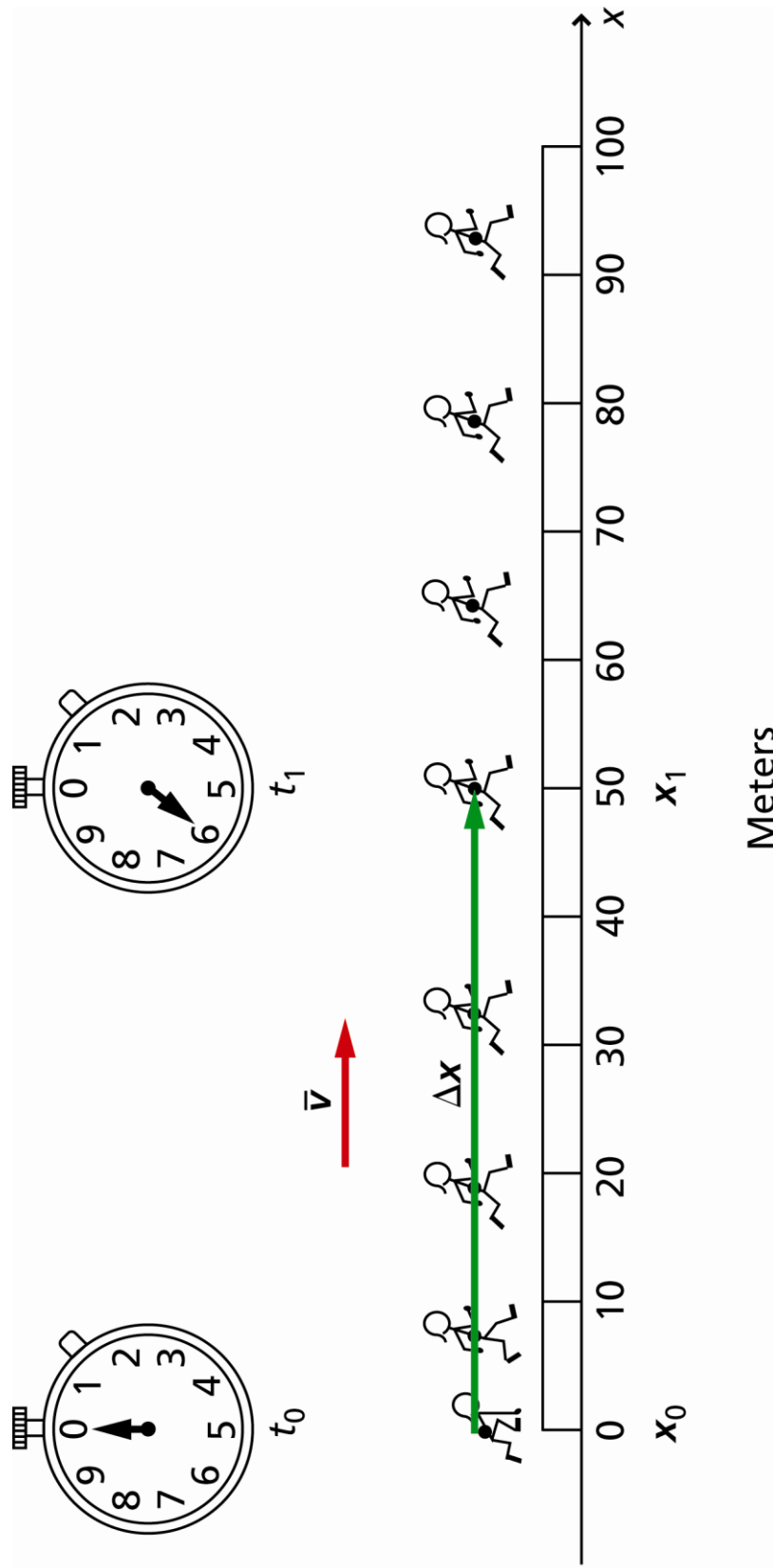


# MOTION DIAGRAMS



## CHAPTER 2 VISUAL 1

### MOTION DIAGRAMS

1. What variables are shown in the motion diagram?

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2. Using variables, define  $\Delta x$ .

\_\_\_\_\_

3. What is the value of  $\Delta x$  in the diagram?

\_\_\_\_\_

4. Using variables, define  $\Delta t$ .

\_\_\_\_\_

5. What is the value of  $\Delta t$  in the diagram?

\_\_\_\_\_

6. What is the average velocity in the diagram?

7. If the runner's velocity is constant, how far will she run in 20 s?

\_\_\_\_\_

8. If the runner is moving at constant velocity, how long will it take her to reach the 100-m mark?

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