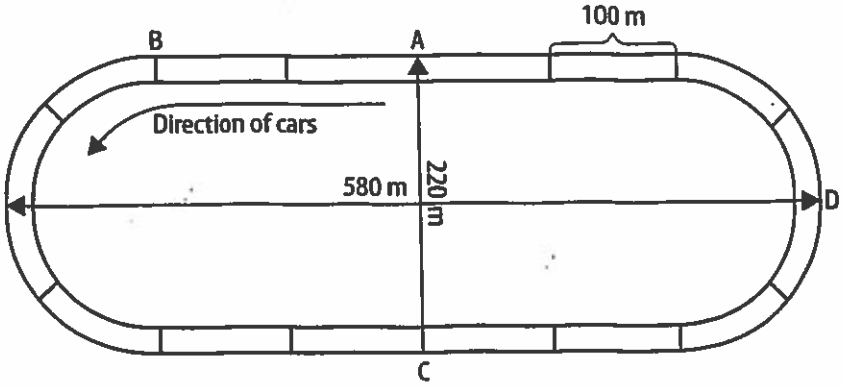
Name _____ Date _____ Class _____

Key Concept Builder **LESSON 1**

Position and Motion

Key Concept What is the difference between distance and displacement?



Directions: *The diagram above represents an oval race-car track. Use the diagram to answer each question or respond to each statement.*

1. When a race car reaches point B on the first lap, what is its distance traveled and its displacement?

_____

2. When the car reaches point C on the first lap, what is its distance traveled and its displacement?

_____

3. When the car reaches point D on the first lap, what is its distance traveled and its displacement? (Hint: Use a ruler.)

_____

4. If a race is 10 laps, what is the car's distance traveled and its displacement when it reaches the finish line?

_____

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