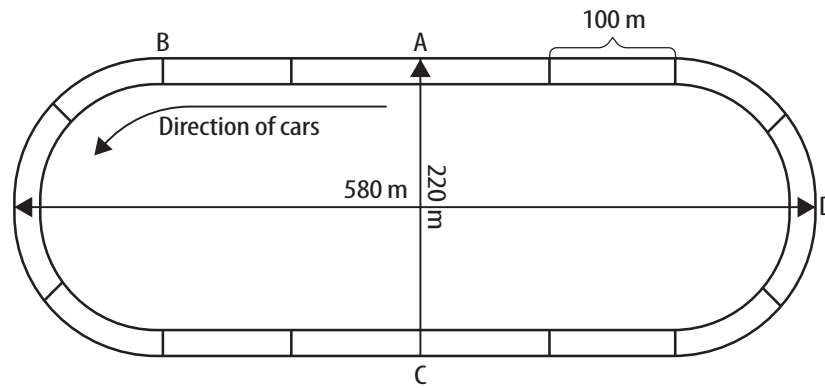


**Key Concept Builder** 

**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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