

Name _____

Speed, Distance, And Time

Word problems (Circular track)

<p>1) A runner completes one lap around a circular track with a circumference of 400 m in 50 seconds. What is the runner's speed in meters per second?</p> <p>8 m/s</p>	<p>2) A car is driving around a circular racetrack with a circumference of 800 m. If the car completes the track in 40 seconds, what is the car's average speed in km/h?</p> <p>72 km/h</p>
<p>3) A bike rider completes a circular track in 3 minutes. If the track's circumference is 900 meters, what is the rider's speed in meters per second?</p> <p>5 m/s</p>	<p>4) A car is driving around a circular racetrack with a circumference of 800 m. If the car completes the track in 40 seconds, what is the car's average speed in m/s?</p> <p>20 m/s</p>
<p>5) A train is moving around a circular track with a circumference of 1,200 m. If the train travels at a speed of 30 m/s, how long does it take to complete one lap?</p> <p>40 m/s</p>	<p>6) A runner completes one lap around a circular track with a circumference of 900 m in 150 seconds. What is the runner's speed in meters per second?</p> <p>6 m/s</p>
<p>7) A car travels around a circular track with a radius of 50 m. If the car completes one lap in 75 seconds, what is the car's speed in m/s?</p> <p>4.19 m/s (approx)</p>	<p>8) A car drives around a circular track with a circumference of 1,000 meters. If the car travels at a speed of 20 m/s, how long does it take to complete one lap?</p> <p>50 seconds</p>