8th Grade Science Student\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Redlands Middle School Date\_\_\_\_\_\_\_\_\_\_ Score \_\_\_\_\_\_\_ /4

**Sizzler Activity: Rate Time and Distance**

**Skill Builder**

LT: I can define motion with the relationship between rate, time, and distance.

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 Distance = Speed X Time Speed = Distance / Time Time= Distance / Speed

1. Which of the following would be considered a rate (speed)? \_\_\_\_
	1. 5 miles
	2. 5 minutes
	3. 5 miles/minute
	4. 7 centimeters
2. A Sizzler car finishes 4 laps around a 500 centimeter track in 8 seconds. What is the rate? \_\_\_\_
	1. 62.5 cm/s Show your work
	2. 250 cm/s
	3. 16,000 cm/s
	4. 2 cm/s
3. A Sizzler car travels at a rate of 200 cm/sec for 4 laps around a 500 centimeter track. How long did it take? \_\_\_
	1. 1.6 s Show your work
	2. 2.5 s
	3. 10 s
	4. 20 s
4. A Sizzler car travels around a 500 cm track at a speed of 200 cm/s for 10 seconds. How many laps did it complete?
	1. 4 Show your work
	2. 5
	3. 10,000
	4. 50
5. A person walking covers 5 m in 10 s. How fast is the person moving?
	1. 2 m/s
	2. 0.5 m/s
	3. 50 m/s
	4. 15 m/s