

Name _____

Period _____

Speed and Graphing Practice

Make a graph of the following data from a race car: 20 pts.

Time(s)	Dist(m)
A. 0	0
B. 5	50
C. 10	100
D. 15	100
E. 20	150
F. 25	200
G. 30	250
H. 35	250
I. 40	350
J. 45	450
K. 50	500

- 1.) Name the point(s) where the car is NOT moving?
- 2.) Between which points is the car is moving fastest?
- 3.) Between which points is the car is speeding up?
- 4.) What is the average speed for the entire distance traveled?
- 5.) What is the speed between Point G and Point J?

Round to the nearest tenth. Show work and include units!

- 1.) A runner completes a 400-m race in 42 s. In a 100-m race, he finishes in 10.1 s. In which race is his speed faster?

- 2.) If a car travels 125 miles in 2 hours, what is its rate of speed?

- 3.) If a runner goes 400 meters at a rate of 8 m/sec, how much time will it take?

- 4.) If an ant crawls for 20 minutes at a rate of 4 m/minute, what is the distance traveled?

- 5.) How long will it take for a plane to fly the 320 miles to Atlanta at a speed of 220 MPH?

- 6.) At 30m/s, how far can a cheetah run in 10 seconds?

- 7.) An ostrich runs at a speed of 35 miles/hr. If it runs for 30 minutes, how far has it traveled?

- 8.) How long will it take a marathon runner to run a half marathon (13.1 miles) at a speed of 9 miles/hr