MiSP Motion Assessment L1

Name: _____ Date: _____

For questions 1–4, show the formula, the substitution, and the final answer.

1. Calculate the speed of a car that went a distance of 125 miles in 2 hours' time.

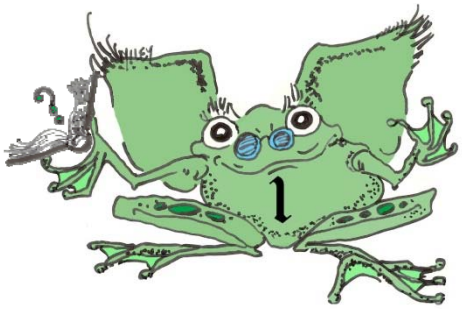
Formula	Substitution	Final Answer

2. A baseball is thrown a distance of 20 meters in 0.5 seconds. What is the speed of the baseball?

Formula	Substitution	Final Answer

3. How much time does it take for a bird flying at a speed of 65 kilometers per hour to travel a distance of 3,000 kilometers?

Formula	Substitution	Final Answer



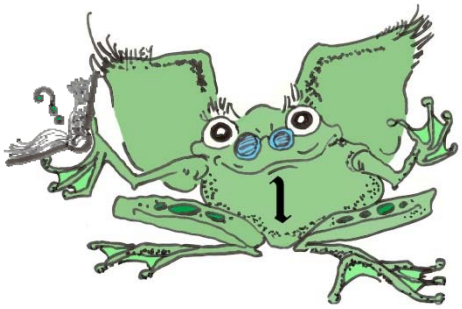
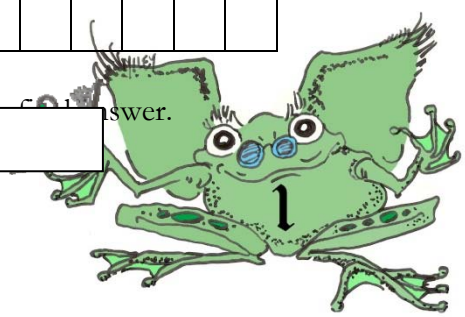
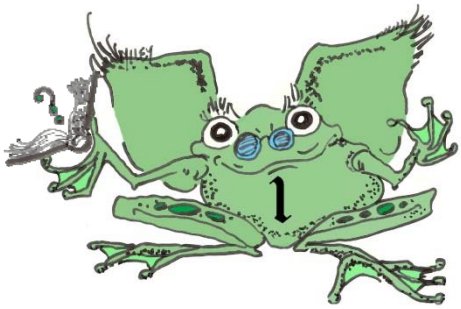
4. A comet is cruising through the solar system at a speed of 50,000 kilometers per hour for 4 hours' time. What is the total distance traveled by the comet during this time?

Formula	Substitution	Final Answer

5. A car traveled a total distance of 200 kilometers in 2 hours. The data table below shows the car's distance from the starting location at 0.5-hour intervals during the trip.

Time (hours)	Distance (kilometers)
0.0	0
0.5	50
1.0	100
1.5	150
2.0	200

Plot the time and distance on the grid on the next page.



6. Calculate the speed of the [illegible]. Show the formula, the substitution and the final answer.