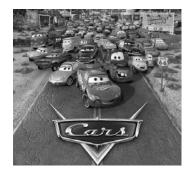
MiSP Motion Worksheet #1

Name:	Date:
name:	

Cars



Introduction:

Speed is distance traveled per unit of	time. The basic metric ur	nit for distance is
The basic metric uni	it for time is	. When measuring
the speed of an object, the instrumen	its that are needed are	
for distance and a	_ for time. In the data tab	le below,
kilometers are used for	and minutes are used f	or
to calculate the sp	peed of a car.	

Speed= <u>Distance</u> Time



Car 1: Fillmore

Time (min)	Distance (km)	Speed (km/min)
10	10	
20	20	
30	30	
40	40	
50	50	



Car 2: Lightning McQueen

Time (min)	Distance (km)	Speed (km/min)
10	20	
20	40	
30	60	
40	80	
50	100	



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Time (min)	Distance (km)	Speed (km/min)
10	15	
20	30	
30	45	
40	60	
50	75	

Questions:

- 1. Each car is traveling at a ______ speed.
- 2. Calculate the speed of the following items. Show all your work!

A bus travels 120 miles in 2 hours.	A marble moves 12 meters in 28 seconds.	A student sleds 29.8 meters in 3 minutes.	A dog walks at a speed of 5ft/sec. How many feet will he have walked in 3 seconds?
A person walks 5 kilometers in 30 minutes.	The speed of water traveling down a pipe is 4 cm/sec. How many seconds will it take the water to flow 10 cm?	A subway takes 8 minutes to travel 3.8 miles.	A skier takes 54 seconds to travel down a hill of 29 meters.

