Name_Hey	date	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	per	mailbox
Speed is the rate of motion or purely measure of how fast an object is trav raveled compared to the amount of	veling in a certain defined	direction. Both s		
Speed = distance / time Ex: 50km/hr	velocity = (distance / Ex: 50km/hr west	time) in a specific	direction	
Answer the following questions and	show all work. Include U	NITS and write the	FORMULA each time	e.
1. What is the velocity of a car that $\sqrt{\frac{75k}{1.5k}}$ 2. What is the velocity of a plane the	$\sqrt{} = 50$ That traveled 3,000 miles f	rom New York to (+h California in 5.0 hours	?
V= d/t V= 3,000	m V = 600	mph wes	<u>+</u>	
3. John took 45 minutes to bicycle velocity in km/hr?	to his grandmother's hou	ise, a total of four		
4. It took 3.5 hours for a train to train are between the two cities? $ \begin{array}{c} (t) \\ S = d \\ t \end{array} $ $ \begin{array}{c} (t) \\ S = d \end{array} $	avel the distance betwee	n two cities at a ve		
5. How long would it take for a car Find fine S(+) = 9 6. A car is traveling at 100km/hr. H Find time + = d	to travel a distance of 20 $ 4 = 4 $ How many hours will it tal	0 kilometers if it is	traveling at a velocit	y of 55km/hr? → + = 3.63 hr
7. A plane traveled for about 2.5 h	ours at a velocity of 1200	km/hr. What dist	ance did it travel?	
Find dist. S(t)	=d 1200	km x 2.5	br = 3000) km
8. A girl is pedaling her bicycle at a			ill she travel in two ho	ours?
Find dist. S(t) = d	0.10 km	x 120 min	= 12 Km	hr -> 120min Convert units
9. An ant carries food at a speed of to the ant hill, a distance of 50m Find time += d/s	? Express your answers i	n seconds, minute	es and hours.	
10. The water in the Buffalo River floriver a distance of 16kilometers.			and a friend decide to	canoe down the

Find time t= d/s += 16 km t= 3.2 hr x60 > 192 min