tusuer key Velocity Quiz

1. Cindy's mouse Stuart can run at a velocity of 0.7 m/s North. How far can Stuart run in 8 seconds? Express your final answer in meters. Show all of your work for full credit. HS.P.D.07

What do you know?	V= ,7 m/s X = 0 m × z= ? += 8 sec
What formula?	$V = \frac{x_2 - x_1}{t}$
Substitute in values	
40	$7 = \frac{x_2 - 0}{8}$
Calculations (show your work here)	7 = 8x2
2 1 N A V W 1 N	8
a same of the con-	$(8)(.7) = \times_{\mathbb{Z}}$
4	
Answer (with units!)	5.6 M

2. From Question 1, express your answer in miles. Show all of your work for full credit. HS.P.G.67

5,6 m/ 6,214 × 10 miles = 3.48 × 10 miles

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3. A car travels 50 km South on a straight road for 10 hours. What is its velocity? Express your answer in km/hr. Show all of your work for full credit. HS.P.D.07

Snow all of your work for full credit. HS.P.D.07	
What do you know?	Co.
	V= ' / X = 0 km × = 50 km += 10 hr
What formula?	$V = \frac{\lambda_z - \lambda_1}{+}$
Substitute in values	$V = \frac{50 - 0}{10}$
Calculations (show your work here)	50
	U = 5 km/h
Answer (with units!)	5 km/h

4. From Question 3, express your answer in m/s. Show all of your work for full credit. HS.P.G.67

