

Speed & Velocity

Name: _____

1 - 10) Fill in the chart with the appropriate value. Make sure your units are right.

Speed	Displacement	Time
50.0 m/s		30.5 s
	75.2 ft	0.50 min
36.5 mi/hr	78.6 mi	
65.0 km/hr		30.0 min
19 m/s	50 cm	
	56 m	45 s
600. mi/hr	3250 mi	
	2300 m	0.45 hr
120 mm/s		15 min
25.0 m/s	46.5 km	

11) What is the speed of an object that covers 14 km in 12 min? Express answer in km/hr.

12) How far does a car get traveling at 23 m/s for one hour?

13) A train leaves the station at 0.0 m marker with a constant velocity of 36 m/s.

a) How many seconds later will the train pass the 1620.0 m marker?

b) What is the velocity of the train in mi/hr

14) At 1:00 pm, a car, traveling at a constant velocity of 94 km/hr toward the west, left the school. Where will it be at 3:30 pm?

15) Suppose another car left the school at 2:00 pm at a constant velocity of 60 km/hr toward the east. How far apart will the two cars be at 3:30 pm?