

Practice for 2.1 - Speed and unit conversions

(Do the work for these on a separate sheet of paper.)

12.8 m/s	1. A car in front of the school goes 30.0 m in 2.35 seconds. What is its speed ?
0.15 s	2. What time will it take a car going 88 f/s to go 13 feet?
68 f/s	3. My Tercel can go 92 f in about 1.35 seconds. What is its speed ?
78 feet	4. A glacier moves at a rate of 5.6 feet/day. What distance does it go in two weeks?
49 mph	5. A trucker goes 345 miles in 7.0 hours. What is her speed ?
0.36 s	6. A car moving 44 feet/second takes what time to travel 16 feet?
93 km/h	7. What speed must you average to go 280 km in 3.0 hours?
66 f/s	8. Convert 45 miles/hour to Feet/second
17 m/s	9. Convert 60 km/hour to m/s
24 m/s	10. Convert 80 feet/second to m/s
68 mph	11. Convert 110 km/hr to mph
96.6 km/hr	12. Convert 88.0 feet/sec to km/hr
9.6 s	13. A river current moves at 3.2 miles/hour. How many seconds will it take you to drift 45 feet? (Convert to feet/second first)
12 m/s	14. A car in front of the school travels 15 feet in 0.38 seconds. What is its speed in m/s?
6075 mph	15. A satellite travels at 5.4 miles in 3.2 seconds. What is its speed in miles/hour?
12240 mi 6.5 x 10 ⁷ f	16. A space shuttle moves at 3.4 miles/second. What distance does it go in one hour? How many feet?