

1. What is the velocity of a space ship that travels 36,000,000 mi in 2000 hours.

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2. A golf ball is at rest. Then, .008 seconds later, it has a speed of 320 ft/sec Find the acceleration.

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3. If a train can average 150 mph, how long would it take to cross this country (3000 miles)?

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4. How far does a car go between 7:15 pm and 9:45 pm if the speed is 100 mph?

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5. How fast is a plane going if it starts from rest and accelerates at 20 (m/s)/s for 7 seconds?

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6. A rifle bullet is accelerated at 1,000,000 (ft./sec)/s. If it attains a speed of 4000 ft/sec, for how long a time was it in the gun barrel?

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7. What is the time for a bullet doing 2740 ft/sec to cover 100 yds?

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8. At 17000 mi/hr, how far will the space shuttle travel during a 7 day mission?

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9. How fast is a boy running in mph if he can run a four minute mile?
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10. A car has brakes that can give a deceleration of -17 m/s^2 . The car was going 135 m/s and then the brakes were applied for 6 seconds. Find the new velocity.
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11. How long would it take the car in problem #10 to go from 85 m/s to a complete stop?
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12. What is the average velocity of a car that leaves mile post 285 at 9:30 am and gets to mile post 95 at 12:45pm?
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13. What is the acceleration of an object that goes from 426 cm/s to 475 cm/s in 0.05 seconds?
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14. How long will it take you to bicycle to California about 3000 miles away if you average 57 miles/day.
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15. How fast is an airplane going if it makes the New York to California flight in 5.7 hours?
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ANSWERS IN RANDOM ORDER .004 20.
 40,000. 33, 15, 980. 250, 18,000.
 140. 37. 58.5 52.6 73. 526.
 .109 2,860,000. 5. 350.