

Which car will increase its velocity in the next second?

HW: 1) d = 86.4m, 5) vf = 405.3 m/s, 6) d = 1117.2m, 8) vf = 24.9 m/s, t = 2s

FREE FALL Upward Motion

Nicole throws her dog up in the air and gives him an initial velocity of 19.6 m/s. When will nicole hopefully catch her dog again?









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Example 1: A bullet is fired upwards at 100 m/s. What is its maximum height?



they both hit the ground at the same time?

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Free Fall Examples:

Rex Things throws his mother's crystal vase vertically upwards with an initial velocity of 26.2 m/s. Determine the height to which the vase will rise above its initial height.

