



Practice #1: An automobile manufacturer claims that its latest model can “go from 0 to 90” in 7.5 seconds. If the “90” refers to 90.0 km/h, calculate the automobile’s acceleration (in m/s^2).

Practice #2: In 1970, Don “Big Daddy” Garlits set what was then the world record for drag racing. He started at rest and accelerated at 16m/s^2 for 6.5 seconds. What was Garlits’s final speed?

Practice #3: A child slides down a steep, snow covered hill with an acceleration of 2.82 m/s^2 . If her initial speed was 0.00 m/s and her final speed was 15.5 m/s , how long did it take her to travel from the top of the hill to the bottom?