

A man traveling at 30m/s speeds up to 45m/s in 60 seconds. What is the man's acceleration?

A man is traveling with an acceleration of  $5\text{m/s}^2$ . He slows from 20m/s down to 15 m/s. How long does this take?

A rock is dropped from a building and falls for 15s. What is the rock's final velocity? (gravity acceleration  $9.8\text{ m/s}^2$ )

A car has an acceleration of  $-22\text{ mi/hr/s}$ . If it needs to slow down to 2mi/hr and is traveling at a speed of 12 mi/hr, how long will this take?