

acceleration due to gravity =

Example problems:

Rhoda Tiller looks up to see a flowerpot fall off a ledge 9.2 m above her head. How long does she have to react and move before being hit on the head?

A rock is dropped from a bridge. What is the velocity of the rock after it has fallen for _____ s?

Challenge:

If the rock in the last problem was thrown downward at _____ m/s, how will it affect the acceleration and velocity after 3.7 s?