

Acceleration

math problems

_____ name

- 1 $v_i=60\text{m/s}$, $v_f=100\text{m/s}$ $t= 4\text{s}$ solve for a .
- 2 $v_i=23\text{mi/h}$, $v_f=68\text{mi/h}$ $t= 9\text{s}$ solve for a .
- 3 Stationary car speeds up to 35 mi/hr in 5s solve for a .
- 4 $v_i=60\text{m/s}$, $v_f=20\text{m/s}$ $t= 4\text{s}$ solve for a .
- 5 A car decelerated from 50km/h to 30km/h in 3s solve for deceleration.
- 6 $v_i=10\text{m/s}$, $v_f=46\text{m/s}$ $a=9\text{m/s/s}$ solve for time.
- 7 $v_i=30\text{m/s}$, $v_f=45\text{m/s}$ $a=3\text{m/s/s}$ solve for time.
- 8 change in velocity = 35m/s $v_i= 10\text{m/s}$ solve for v_f .
- 9 change in velocity = 35m/s $v_f= 50\text{m/s}$ solve for v_i .
- 10 What is the acceleration of an rock that has been free falling for 3s . Duh!