On the value of time

Take 1

A worm at one end of a rubber band. Worm: moves at the speed of 1 centimeter per minute. Band: one meter to start, stretches by one meter every minute. When will the worm get to the other end, if ever?

Answer: in n minutes, where ln(n) = 100 -- [Euler-Mascheroni constant]; this works out to about

$$10^{37} \text{ years}$$

Take 2

Can You Solve Einstein's Car Riddle?

A car goes 15 mph for 1 mile. How fast must it go in the next mile to average 30 mph for the entire 2-mile trip?

Answer: impossible (already spent 4 minutes)

Note: in 1905, Einstein was moving at the speed of light…