## Exercise 33

Motor neurons in mammals transmit signals from the brain to skeletal muscles at approximately $25 \mathrm{~m} / \mathrm{s}$. Estimate how long in ms it takes a signal to get from your brain to your hand.

## Solution

The distance from my head to my hand is about 3 feet. Use this fact along with the given speed to calculate the time it takes a signal to go from head to hand.

