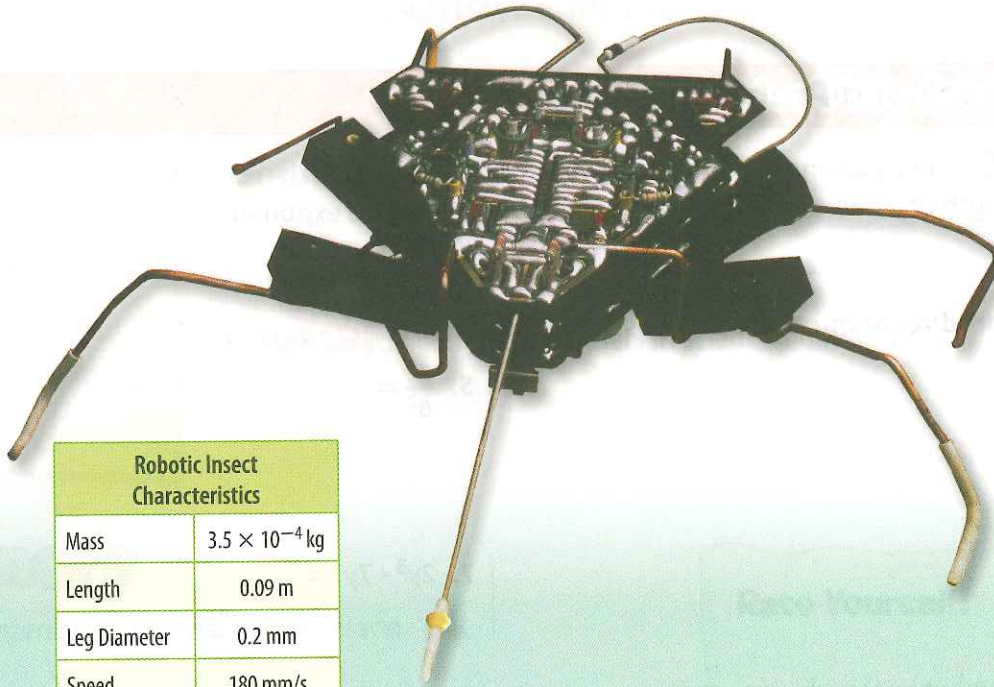


## Relying on Robots

Use the information in the table to solve each problem.

- Write the mass of the robot in standard form.  
\_\_\_\_\_
- Write the length of the robot in scientific notation. \_\_\_\_\_
- Write the leg diameter of the robot in scientific notation. \_\_\_\_\_
- What is the mass in milligrams? Write in standard form. (*Hint: 1 kg = 1,000,000 mg*)  
\_\_\_\_\_
- Real insects called water striders can travel 8.3 times faster than the robot. Write the speed of water striders in scientific notation. \_\_\_\_\_



Robotic Insect Characteristics	
Mass	$3.5 \times 10^{-4}$ kg
Length	0.09 m
Leg Diameter	0.2 mm
Speed	180 mm/s

## Career Project

It's time to update your career portfolio! Investigate the education and training requirements for a career in robotics engineering.

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What skills would you need to improve to succeed in this career?

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_