

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Roller Coaster**

You are in a roller coaster car that has a mass of 200 kg. At the top of the roller coaster, the car is 100 meters above the lowest point on the track.

When you reach the bottom of the track, how fast will the car you're in be going?

*Show your work, and write your answer in a complete sentence.*