Name _____ Period _____

Momentum Quiz 2

1. If three balls are released from a height in a Newton's Cradle, how many balls will move up on the other side after the collision? Why?

2. If you push on a 24.5 kg box with a force of 50 N for 12 seconds, how fast will the box be moving if it started at rest?

3. A 250 gram ball falls so that it is going 14.6 m/s as it begins to hit the ground. If the ball stops in 0.025 seconds, what is the stopping force on the ball? What will be the stopping force if the ball stops in 0.10 seconds?