

### Question #14313

Given that the puck covered 30 meters in 0.38 seconds, find the velocity  $v = \frac{30m}{0.38s} \approx 75.95 m/s$  .

The momentum (linear momentum) is given by  $p = mv$  , hence  
 $p = 75.95 m/s \cdot 0.25 kg \approx 19.74 kg \cdot m/s$  .