Name_____Sec___Date____

CONSTANT ACCELERATION PROBLEM WORKSHEET SAMPLE PROBLEM

A cubicle containing eight people at an amusement park has been accelerated as the result of a previous free fall. It has changed direction on a track and is coasting horizontally with a velocity of 90 MPH when the brakes are applied. The cart slows down at a constant acceleration and comes to rest in a distance of 24 m. What is its acceleration due to the braking action? (Mass of the Cubicle = 1.6×10^3 kg)

