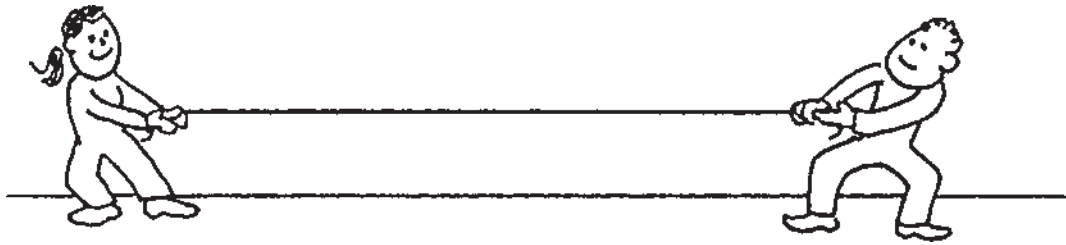


## 7-5

CONCEPTUAL PHYSICS  
Next-Time Question

Two people of equal mass, 6 meters apart, attempt a tug of war on frictionless ice. If they pull on opposite ends of the rope with equal forces, each slides 3 meters to a point midway between them. Suppose instead that only one person pulls and the other fastens the rope around his or her waist. How far does each person slide?

(Neglect any effects of the rope's mass.)

