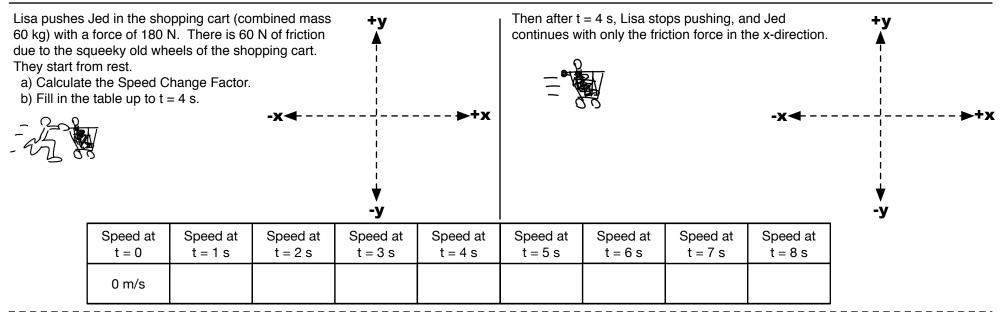
Cycle 8: 2nd Law Speed up and slow down A



Cycle 8: 2nd Law

Speed up and slow down A

Jane pushes Lou in the shopping cart (combined mass 50 kg) with a force of 200 N. There is 50 N of friction due to the squeeky old wheels of the shopping cart. They start from rest. a) Calculate the Speed Change Factor. b) Fill in the table up to $t = 3$ s.			+y ▲		Then after t = 3 s, Jane stops pushing, and Jed continues with only the friction force in the x-direction.				+y ▲	
			- y						-y	
	Speed at t = 0	Speed at t = 1 s	Speed at t = 2 s	Speed at t = 3 s	Speed at t = 4 s	Speed at t = 5 s	Speed at t = 6 s	Speed at t = 7 s	Speed at t = 8 s	
	0 m/s									