Cars—Impulse During a Change of Velocity 82

The eight situations below show *before* and *after* "snapshots" of a car's velocity. Rank these situations, in terms of impulse on these cars, from most positive to most negative, to create these changes in velocity. All cars have the same mass. Negative numbers, if any, rank lower than positive ones (-20 m/s < -10 m/s < 0 < 5).



Or, it is not possible to determine the impulse on these cars for all of these._____

Please carefully explain your reasoning.

How sur	re were	you of your	ranking?	(circle one)						
Basically Guessed				Sure				Very Sure		
1	2	3	4	5	6	7	8	9	10	