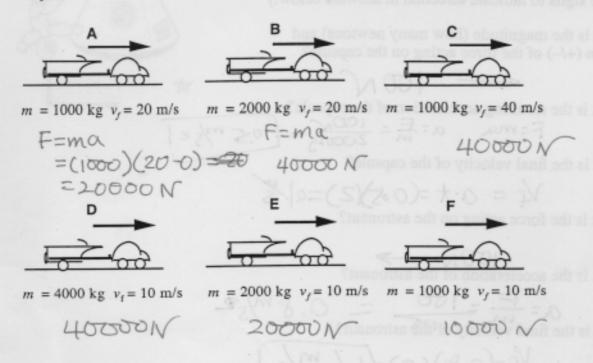
Key

Newton's 2nd + 3rd

Moving Car and Boat Trailer-Force Difference 29

Rank, from greatest to least, on the basis of the difference between the strength (magnitude) of the force the car exerts on the boat trailer, and the strength of the force the boat trailer exerts on the car. All the boat trailers and cars are identical, but the boat trailers have different loads, so the boat trailers masses vary.



torces

Or, the differences between the two forces are the same in each situation. Please carefully explain your reasoning.

How sure were you of your ranking? (circle one) Sure Very Sure Basically Guessed

²⁹ P. Golden, A. Dickison, D. Maloney, T. O'Kuma, C. Hieggelke 31