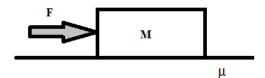
Pushing Boxes

Six different boxes with various masses are resting on the floor, as shown below. The boxes remain at rest the entire time. A horizontal force, F, is being applied to each box, as shown. This horizontal force varies for each box. The boxes also have varying coefficients of friction with the floor, μ , as well as varying masses, M.



Box	M	μ		
A	40 kg	0.7, 0.6		
В	40 kg	0.5, 0.4		
C	15 kg	0.3, 0.2		
D	80 kg	0.4, 0.2		
E	30 kg	0.7, 0.4		
F	35 kg	0.9, 0.6		

Rank the magnitude of the horizontal force, F, acting on each box:

_		_	_	_	_	_	
I	argest 1	2	3	4	5	6	Smalles

Justify your ranking: