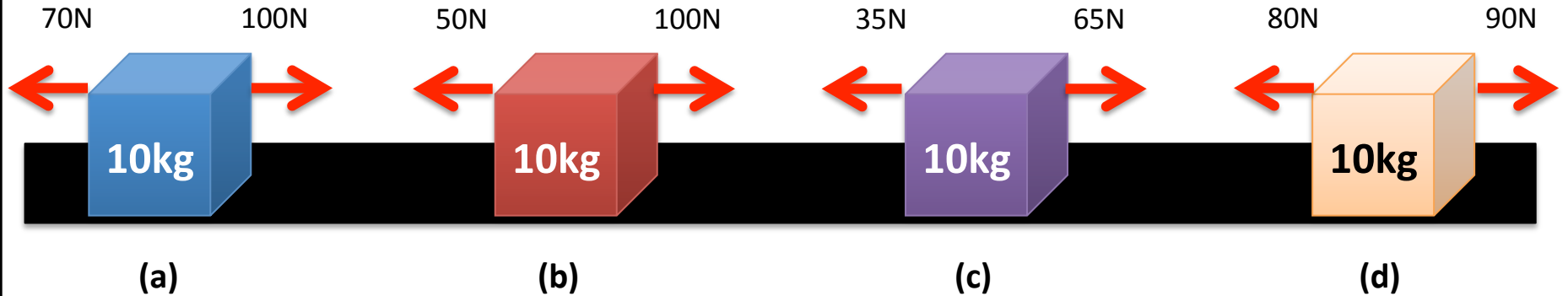


These four cubes are resting on a frictionless surface. Each cube is pushed and pulled by different forces. Rank each object from the highest to lowest net force

Force arrows show direction only, they are not drawn to scale.

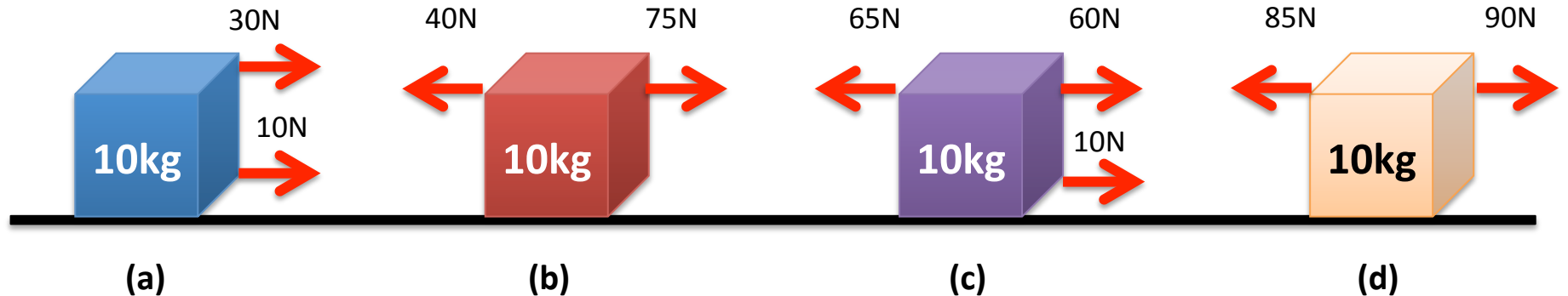


[1]	[2]	[3]	[4]
Highest			Lowest

Explain:

These four cubes are resting on a frictionless surface. Each cube is pushed and pulled by different forces. Rank each object from the highest to lowest net force

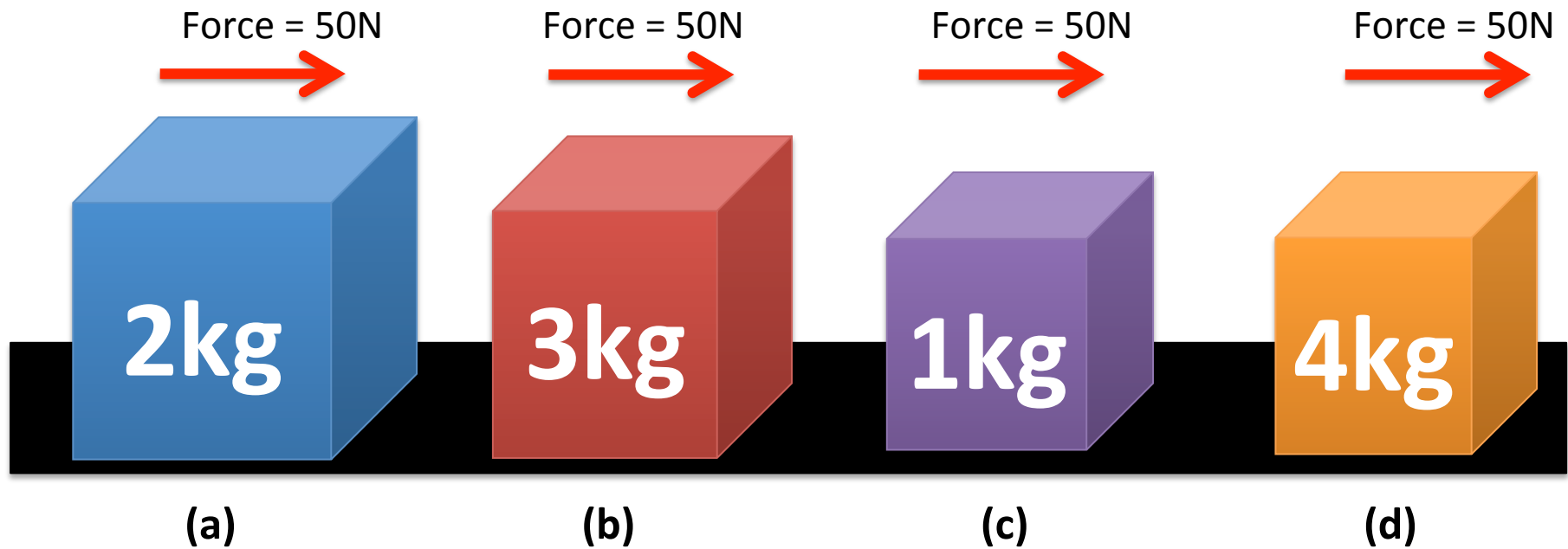
Force arrows show direction only, they are not drawn to scale.



[1]	[2]	[3]	[4]
Highest			Lowest

Explain:

These four cubes are resting on a frictionless surface. The same force (50N) is applied to each cube. Rank each object from the highest to lowest acceleration:

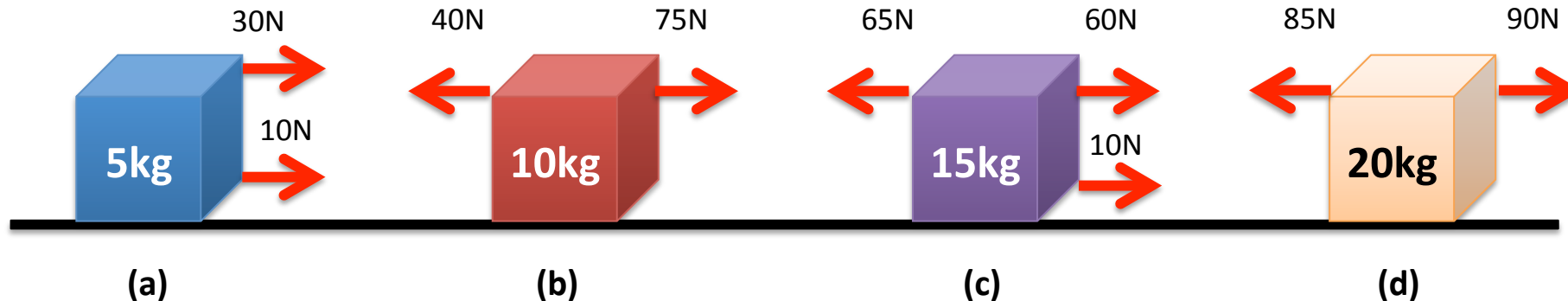


[1]	[2]	[3]	[4]
Highest			Lowest

Explain:

These four cubes are resting on a frictionless surface. Each cube is pushed and pulled by different forces. Rank each object from the highest to lowest acceleration.

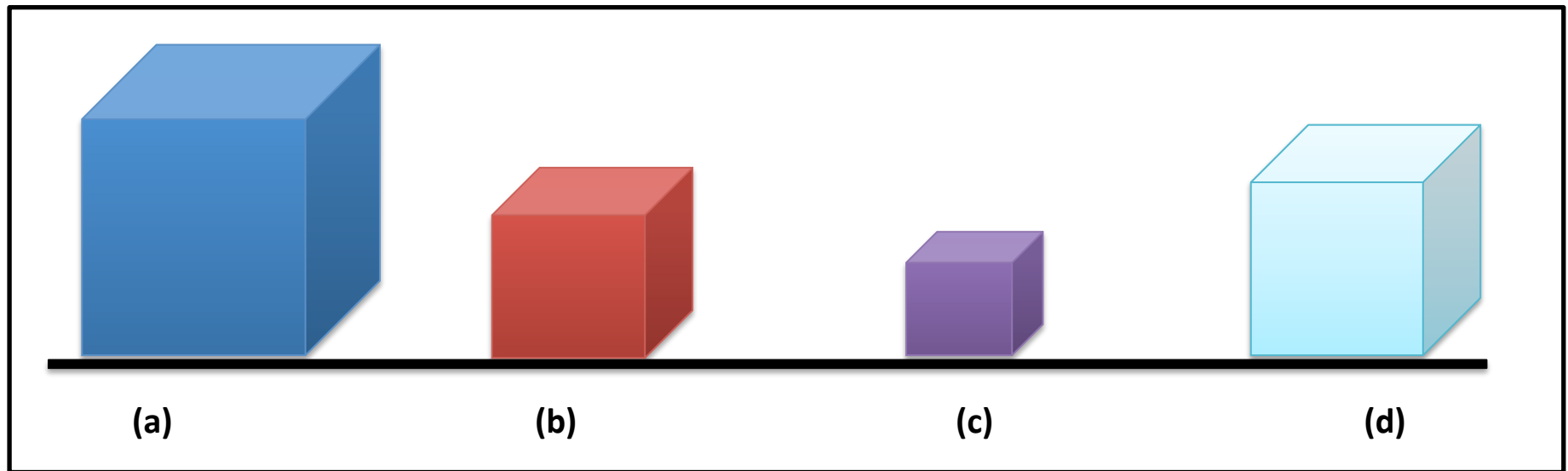
Force arrows show direction only, they are not drawn to scale.



[1]	[2]	[3]	[4]
Highest			Lowest

Explain:

These four cubes are resting on a table. Each cube is made of a different material. Rank these cubes in terms of mass, weight and volume from largest to smallest.



Mass Highest to Lowest	[1]	[2]	[3]	[4]	or	Not enough information
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Weight Highest to Lowest	[1]	[2]	[3]	[4]	or	Not enough information
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Volume Highest to Lowest	[1]	[2]	[3]	[4]	or	Not enough information
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