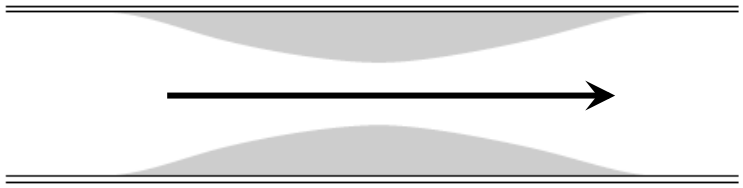
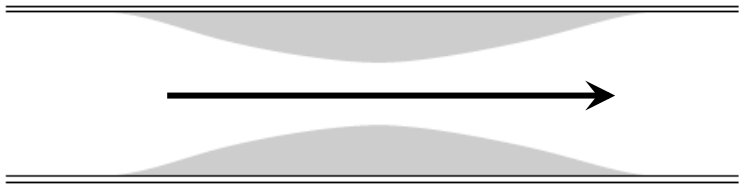
Blood flows through a coronary artery that is partially blocked by deposits along the artery wall. Through which part of the artery is the flux (volume of blood per unit time) largest?

1. The narrow part
2. The wide part
3. Same in both



Blood flows through a coronary artery that is partially blocked by deposits along the artery wall. Through which part of the artery is the speed of the blood the largest?

1. The narrow part
2. The wide part
3. Same in both



You can readily observe that when you run water from a faucet at a moderate steady flow rate, the stream of water narrows as it descends. This implies that the speed of the water at point 2 is _____ the speed at point 1.
Which best completes the sentence?

A. greater than (>)
B. less than (<)
C. equal to (=)

Each row in the following table pairs a force vector with a corresponding displacement resulting in work *W* being done. In which of these rows is the work done zero?

	$\vec{F}$	$\Delta\vec{r}$
1.	→	←
2.	←	←
3.	↑	→
4.	↖	→
5.	↓	↖

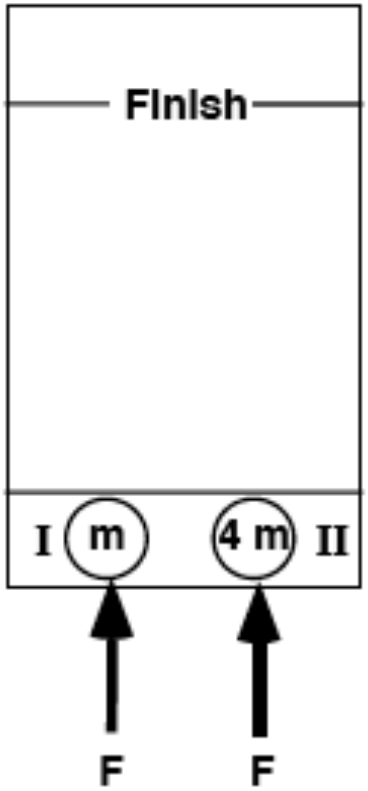
Each row in the following table pairs a force vector with a corresponding displacement resulting in work *W* being done. In which of these rows is the work done positive?

	$\vec{F}$	$\Delta\vec{r}$
1.	→	←
2.	←	←
3.	↑	→
4.	↖	→
5.	↓	↖

The diagram depicts two pucks on a frictionless table. Puck II is four times as massive as puck I. Starting from rest, the pucks are pushed across the table by two equal forces.

Which puck will have the greater momentum upon reaching the finish line?

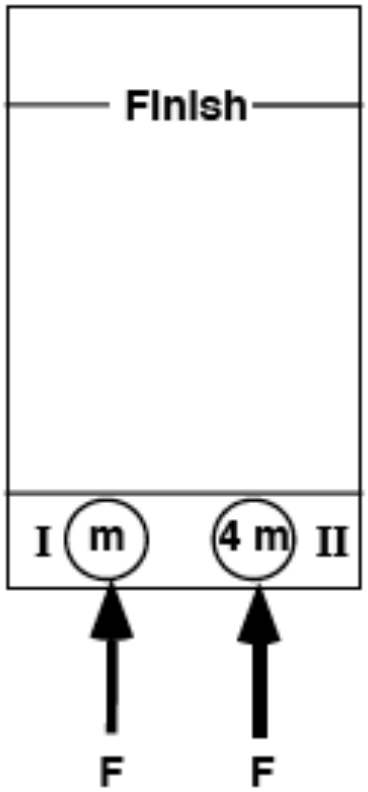
A. Puck I
B. Puck II
C. Both will have the same.
D. There is not enough information to decide.



The diagram depicts two pucks on a frictionless table. Puck II is four times as massive as puck I. Starting from rest, the pucks are pushed across the table by two equal forces.

Which puck reach the finish line first?

A. Puck I
B. Puck II
C. Both will have the same.
D. There is not enough information to decide.



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