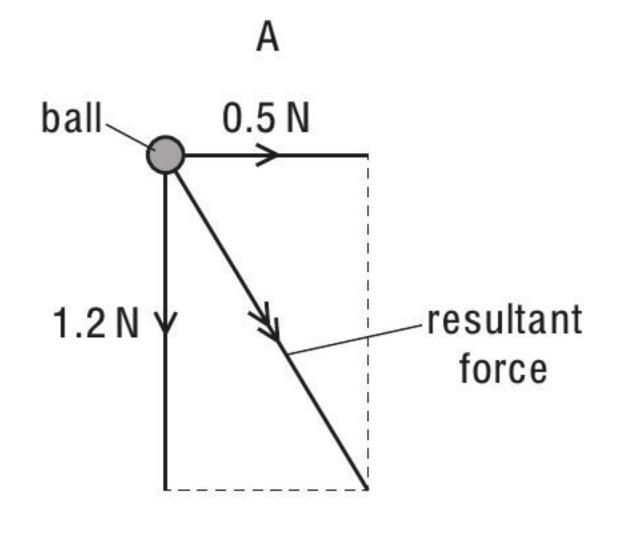
26. A boat is travelling at a steady speed in a straight line across the surface of a lake.

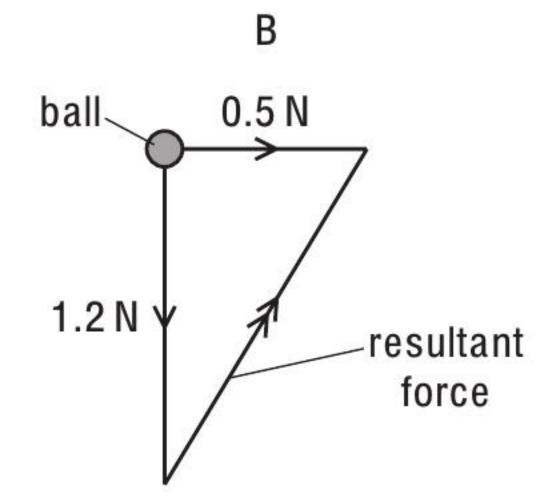
Which statement about the boat is correct?

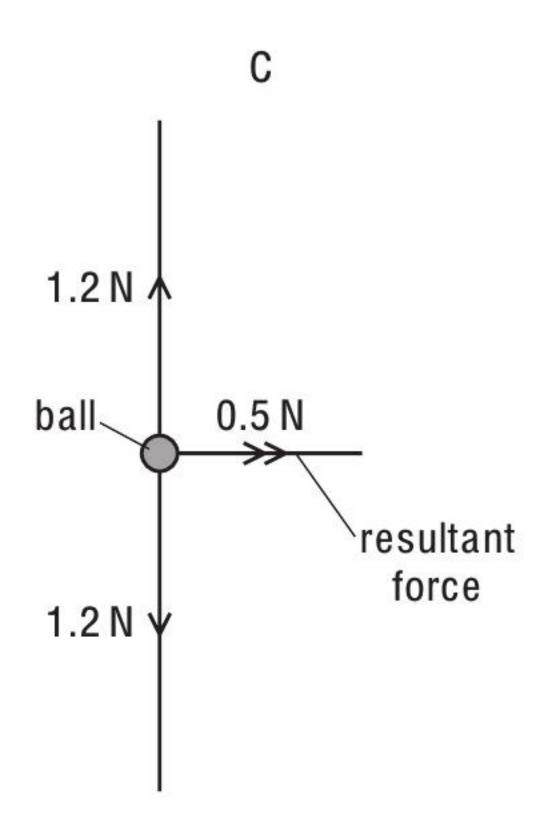
- A The resultant force on the boat is in the direction of motion.
- B The resultant force on the boat is in the opposite direction to its motion.
- C The resultant force on the boat is vertically downwards.
- **D** The resultant force on the boat is zero.
- **27.** A ball of weight 1.2 N drops through the air at terminal velocity.

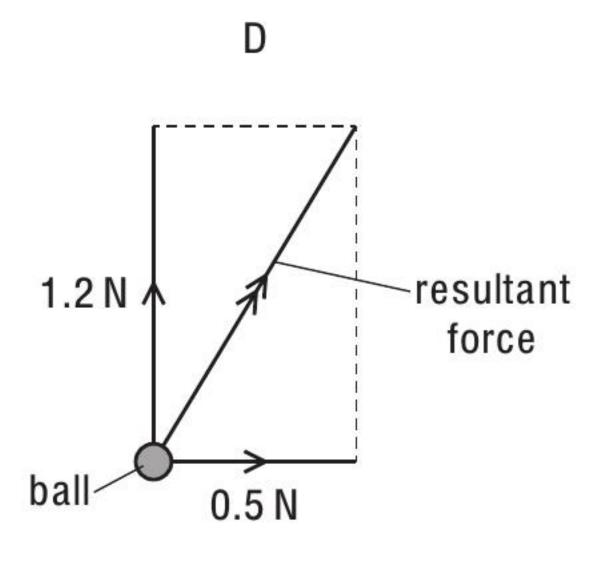
A sudden gust of wind exerts a horizontal force of 0.5 N on the ball from the left.

Which diagram shows the resultant force on the ball while the wind is blowing?









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