

## Question 1

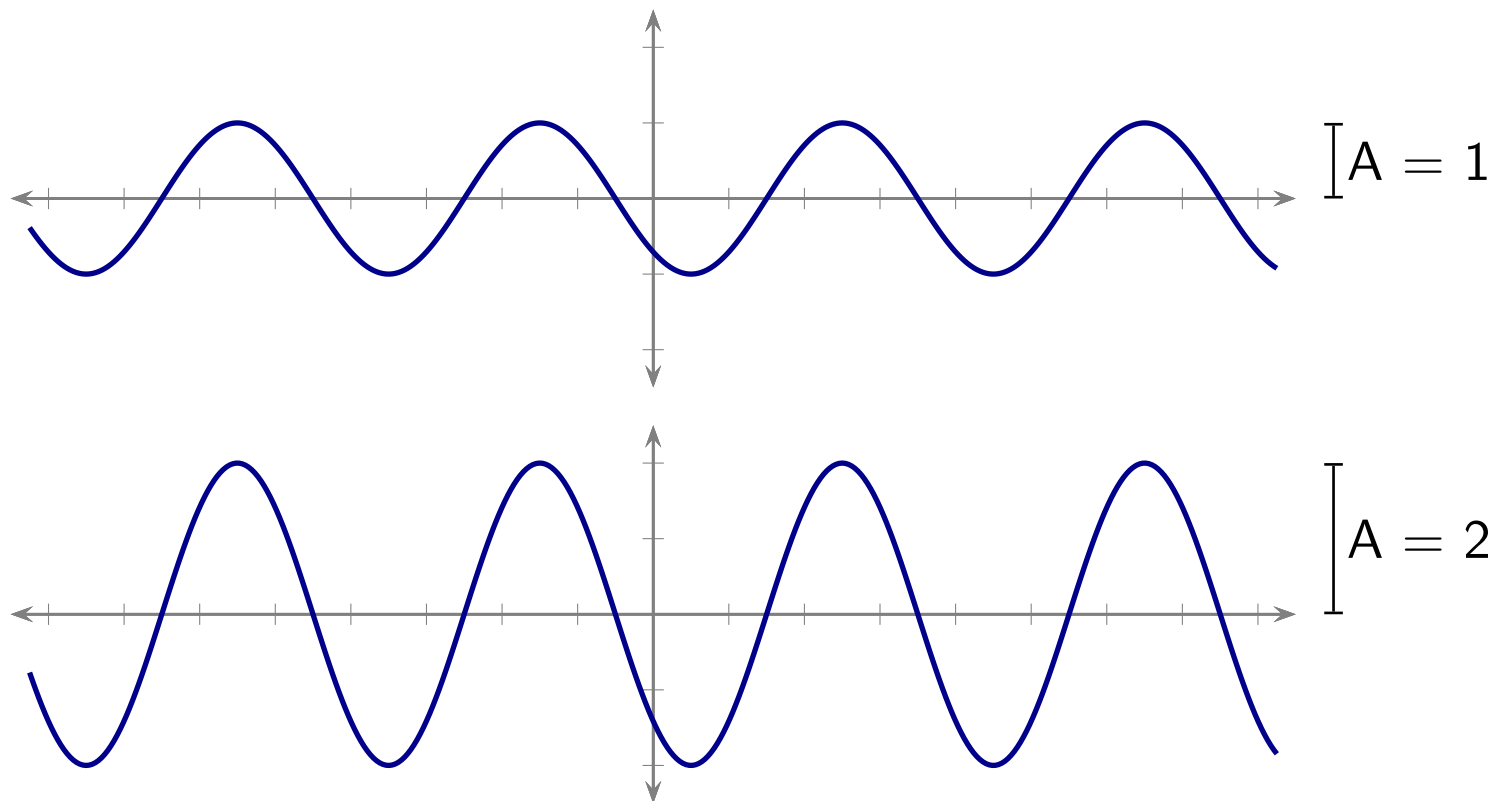
Consider a pulse on the beaded string of the PhET “Waves on a String” animation. The pulse moves from left to right.

As the pulse passes the location of a particular string segment, which of the following is true?

1. The string segment first moves right and then left.
2. The string segment first moves left and then right.
3. The string segment first moves up and then down.
4. The string segment first moves down and then up.
5. The string segment moves in a circle.

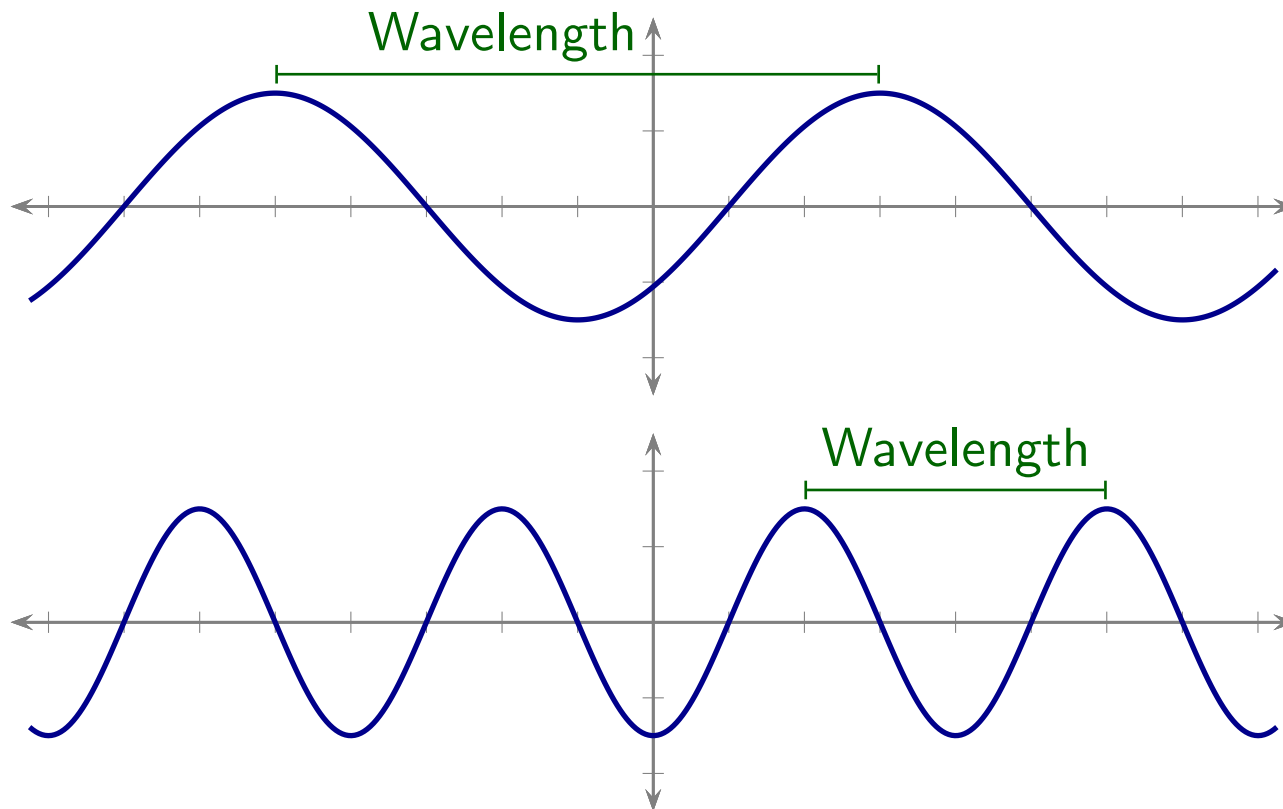
# Continuous Waves: Amplitude

Snapshots of continuous waves.



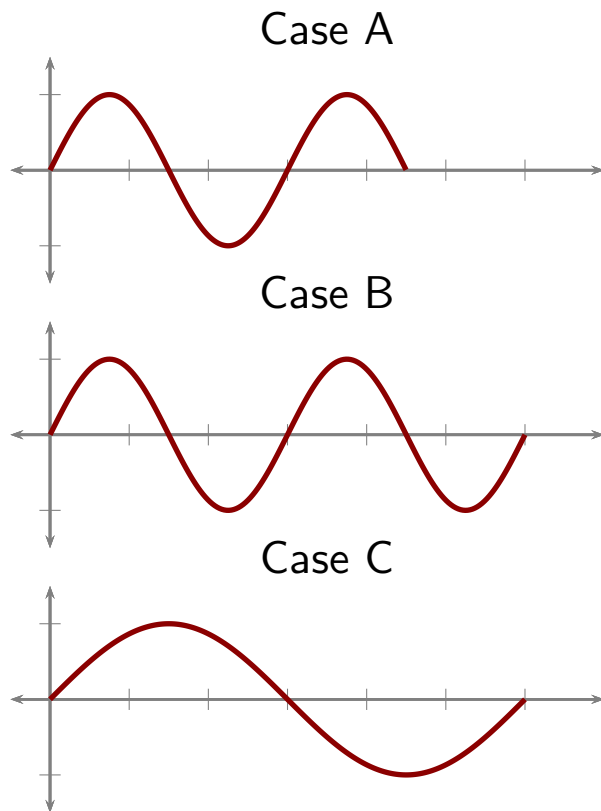
# Continuous Waves: Wavelength

Snapshots of continuous waves.



## Question 2

Snapshots of three waves on strings are as illustrated.



Rank the waves in order of **wavelength**.

1. The wavelengths are the same.
2. B and C same, A smaller.
3. A and B same, C smaller.
4. A and B same, C larger.
5. A smallest, B intermediate, C largest.