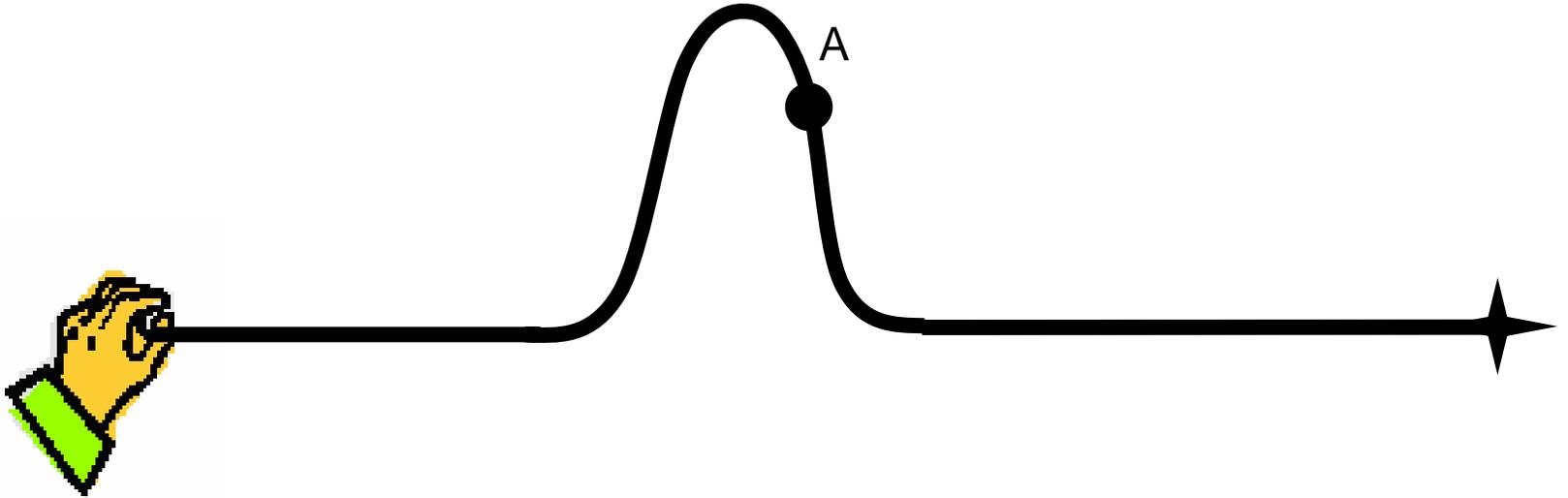
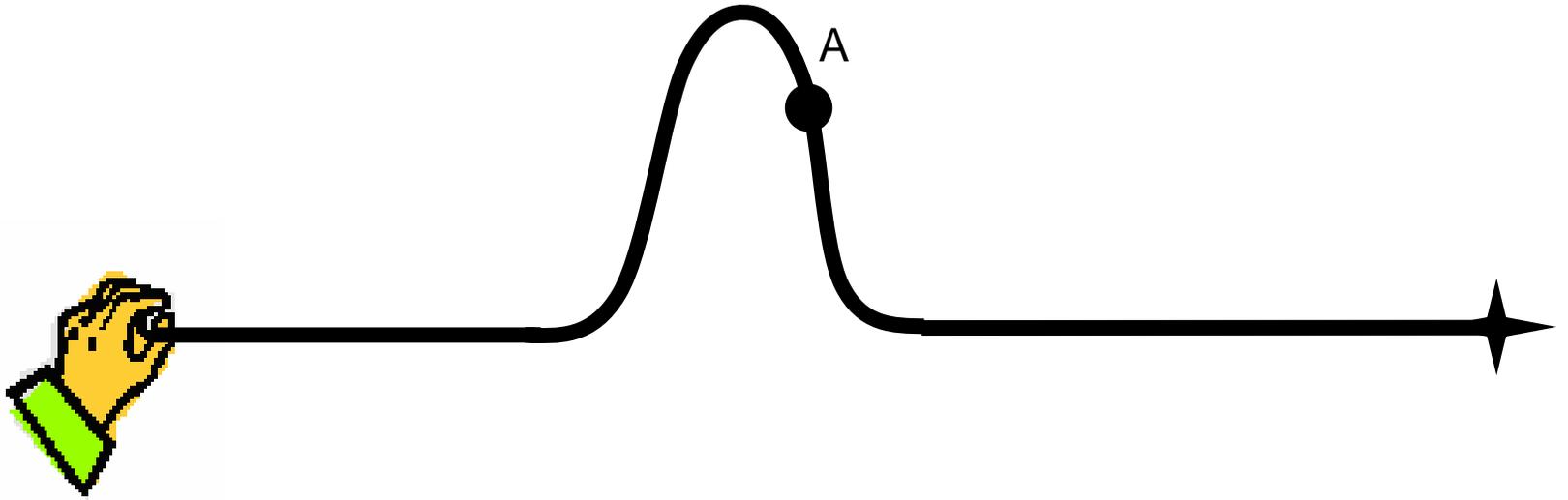


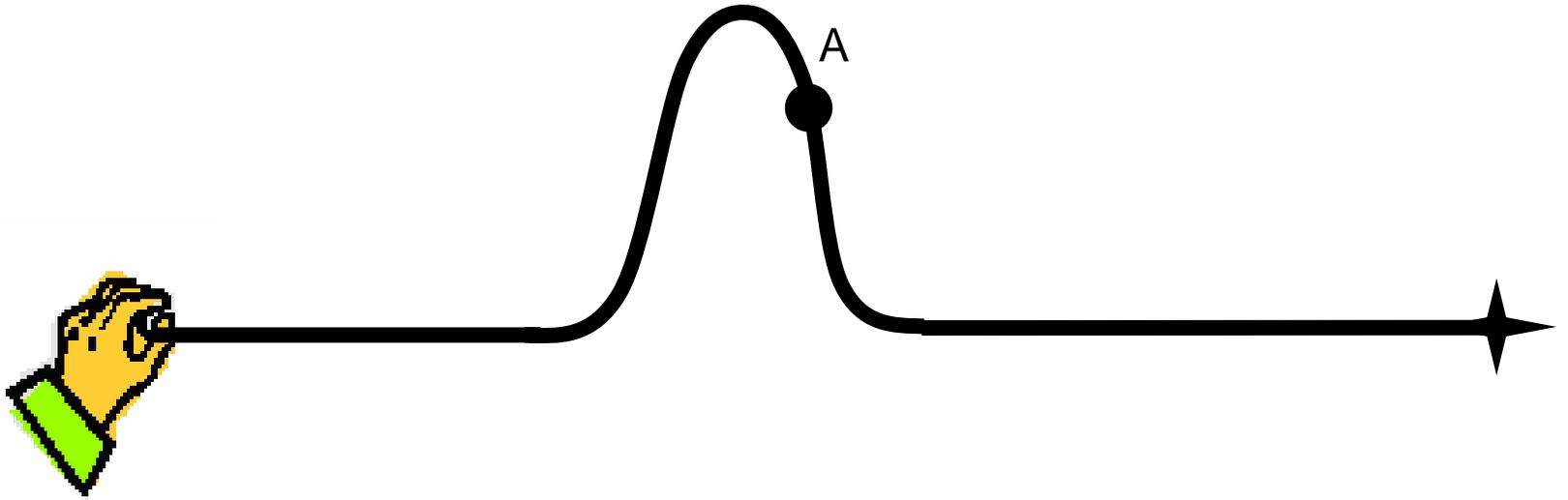
1. If you advance the movie one frame, the knot at point A would be
  - A. in the same place
  - B. higher
  - C. lower
  - D. to the right
  - E. to the left



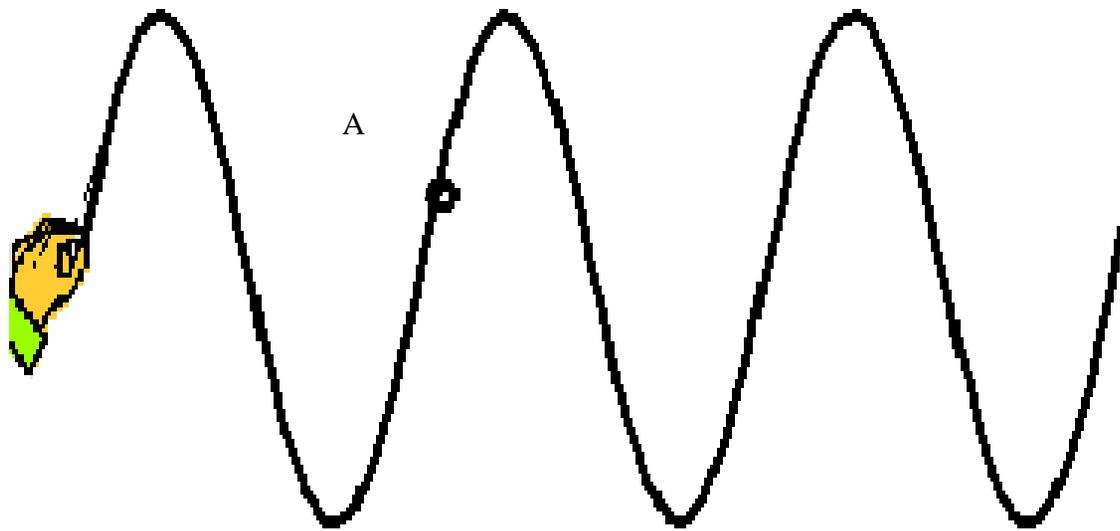
2. If the person generates a new pulse like the first but more quickly, the pulse would be
- A. same size
  - B. wider
  - C. narrower

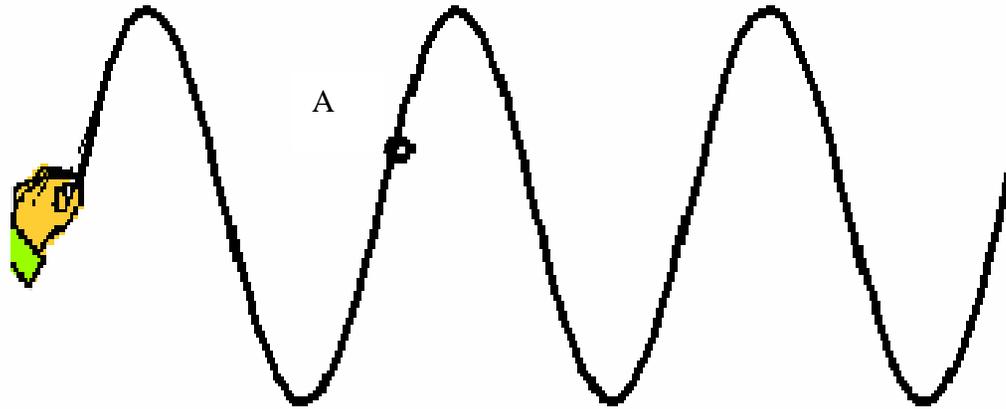


3. If the person generates another pulse like the first but he moves his hand further, the pulse would be
- A. same size
  - B. taller
  - C. shorter



4. If the person generates another pulse like the first but the rope is tightened, the pulse will move
- A. at the same rate
  - B. faster
  - C. slower





5. If you advance the movie one frame, the knot at point A would be
- A. in the same place
  - B. higher
  - C. lower
  - D. to the right
  - E. to the left



6. If you advance the movie one frame, the pattern of the waves will be \_\_\_\_\_ relative to the hand.

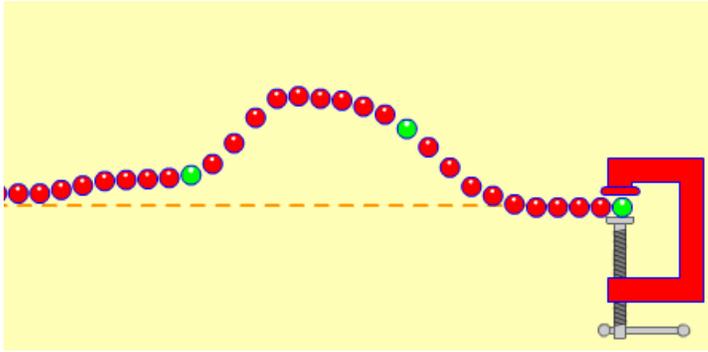
- A. in the same place
- B. shifted right
- C. shifted left
- D. shifted up
- E. shifted down



7. If the person starts over and moves his hand more quickly, the peaks of the waves will be
- A. the same distance apart
  - B. further apart
  - C. closer together

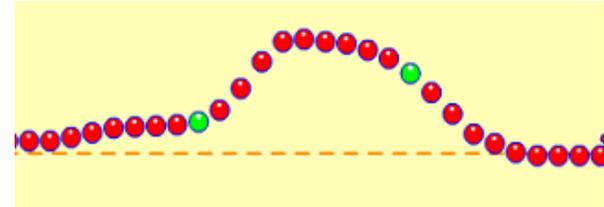
8. If you lower the frequency of a wave on a string you will
- A. lower its speed.
  - B. increase its wavelength.
  - C. lower its amplitude.
  - D. shorten its period.

# 9. What will this wave look like after it reflects?

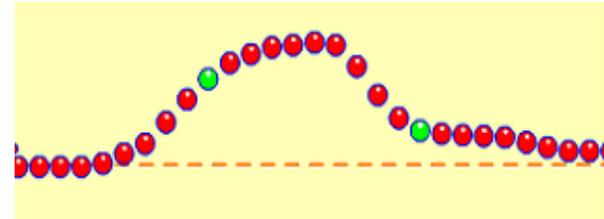


**Fixed end**

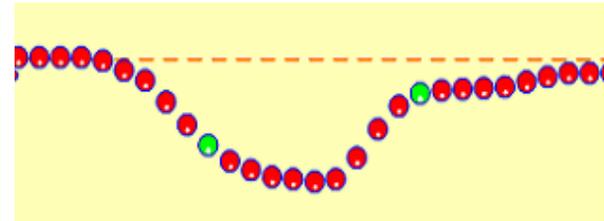
**A.**



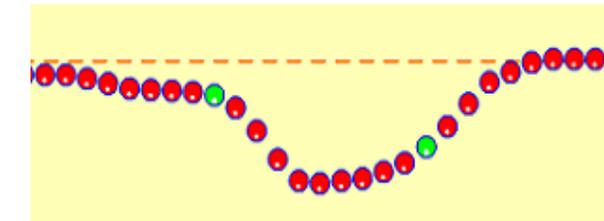
**B.**



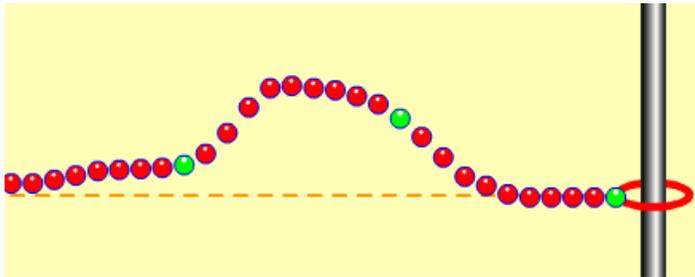
**C.**



**D.**

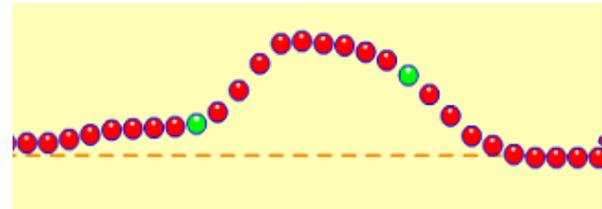


# 10. What will this wave look like after it reflects?

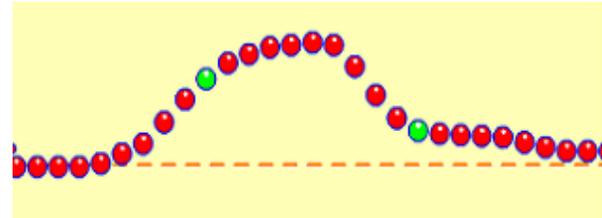


**Loose end**

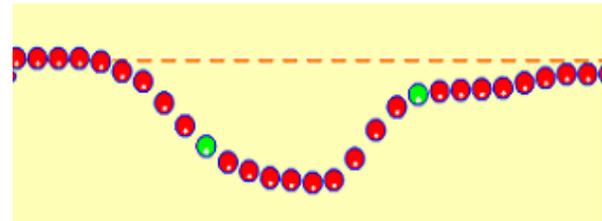
**A.**



**B.**



**C.**



**D.**

