

- 26** Two waves of equal frequency and amplitude are travelling in opposite directions along a stretched string. When they meet, they form a stationary wave with three nodes and two antinodes.

The frequency of both waves is doubled and a new stationary wave is formed.

How many antinodes are there in the new stationary wave?

- A** 1                      **B** 2                      **C** 3                      **D** 4

- 27** A string vibrating in its fundamental mode has length  $1.5\text{ m}$  and the frequency of vibration is  $110\text{ Hz}$ .