17 A telescope with an aperture of 45 cm receives light of wavelength 630 nm from a binary star system which can just be resolved by the telescope.

The two stars are 5.9×10^{16} m from the telescope.

How far apart are the two stars?

A 2.4×10^{10} m   **B** 8.3×10^{10} m   **C** 2.4×10^{13} m   **D** 8.3×10^{13} m