

10. A spacecraft is travelling at a speed of $0.45c$ relative to Earth.

An observer on Earth measures the time taken for the spacecraft to travel between two points to be 72 hours.

An observer on the spacecraft measures the time taken to travel between these two points to be

- A 53 hours
- B 64 hours
- C 72 hours
- D 81 hours
- E 90 hours.