

9. A spaceship on a launch pad is measured to have a length L .

This spaceship has a speed of $2.5 \times 10^8 \text{ m s}^{-1}$ as it passes a planet.

Which row in the table describes the length of the spaceship as measured by the pilot in the spaceship and an observer on the planet?

	<i>Length measured by pilot in the spaceship</i>	<i>Length measured by observer on the planet</i>
A	L	greater than L
B	L	L
C	L	less than L
D	greater than L	L
E	less than L	less than L