



Problem of the Week

Problem B

Into the Wild Blue Yonder!

Canadian Actor William Shatner travelled on the Blue Origin rocket in October 2021. He was in the rocket for 10 minutes and 17 seconds after liftoff, before landing back on the desert floor in Texas. The rocket rose to an altitude of 105.9 km.

- (a) If his flight was straight up and down, what was his mean speed, to the nearest kilometre per hour, over the course of the whole journey?
- (b) The length of the Trans-Canada Highway between the east and west coasts of Canada is 7821 km. If the rocket travels a distance of 7821 km at the mean speed found in part (a), approximately how long (in hours and minutes) would that trip take?

