

It's a Big Universe

Determine the time it would take to travel to each destination by the given means of transportation:

Destination	Distance from Earth	Speed of travel (meters/second)	Time of travel (seconds)	Time of travel (years)
The moon	3.84×10^8 meters	walking 2 meters/sec		
Mars*	5.6×10^{10} meters	bicycle 8 meters/sec		
Jupiter*	5.9×10^{11} meters	automobile 30 meters/sec		
Pluto*	4.3×10^{12} meters	train 50 meters/sec		
Alpha Centauri (the nearest star)	4.07×10^{16} meters	propellor plane 80 meters/sec		
Sirius (brightest star in the night sky)	8.23×10^{16} meters	jet plane 150 meters/sec		
Center of the Milky Way galaxy	2.36×10^{20} meters	Space Shuttle 8000 meters/sec		
Andromeda Galaxy	2.08×10^{22} meters	Light ray 3×10^8 meters/sec		

*At closest approach to Earth