

Calculating Stellar Travel Times.
How Long Would It Take to Travel to the Stars?

BIKE YEARS! PAGE ONE

Name: _____ Date: _____

Table 4.1 Blank Bike Years Chart. NOTE: Distance to Sirius = 8.17×10^{13} km

Mode of Travel, Slowest to Fastest	Average Speed	Distance Covered In One Year	Time To Get To Sirius
1.			
2.			
3.			
4.			
5.			
6.			

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BIKE YEARS! PAGE TWO

Name: _____ Date: _____

SCRAMBLED DATA INSTRUCTIONS:

1. Cut out these scrambled pieces of data.
2. Put all of the modes of travel in the first column of your Worksheet starting with the slowest mode of travel (#1) moving to the fastest mode of travel (#6).
3. Once you are confident that this order is correct, glue, tape or write the data for the next three columns; average speed in km/hr, distance covered in one year in km/yr, and finally the time that it would take to get to Sirius using that particular mode of travel.

Table 4.2 Bike Years Scrambled Data

7 Million km each yr.	233,000 years	Voyager Space Craft	Supersonic Jet Plane
Space Shuttle	490 Million km each yr.	56,000 km/hr	61,320 km each yr.
1.33 Billion Years	Bike	350 Million km each yr.	40,000 km/hr
219,000 km each yr.	25 km/hr	11.7 Million Years	373 Million Years
117 Million Years	7 km/hr	167,000 Years	80 km/hr
Car	800 km/hr	Walking	700,800 km each yr.