



MISSION TO KENNEDY SPACE CENTER

Field Investigation #7 – Next Giant Leap For Mankind



Crew Members Present for Investigation:

Date of Investigation: _____

Problem: How long would it take to get to the Moon and Mars by walking, biking, driving a boat or car, flying in a jet or rocket?

Scientific Background: The Moon is approximately 380,000 km from Earth. At its closest point, Mars is about 56,000,000 km from Earth.







Materials: calculator

Procedure:

1. Fill out chart in Journal.
2. To find hours, divide the distance by the speed. Round answers to the nearest whole number.
3. To find days, divide the number of hours by 24. Round your answers.
4. To find days, divide the number of days by 30. Round your answers.

Journal:

| | | | | | |
|----------------|-------------|-------------|------------|-----------------------|--------------------------------|
| Walking | Bike | Boat | Car | Commercial Jet | Apollo/Saturn V Vehicle |
|----------------|-------------|-------------|------------|-----------------------|--------------------------------|

| Means of Transportation to Moon | Average Speed | Hours to the Moon | Days to the Moon | Days to Mars | Months to Mars |
|---------------------------------|---------------|-------------------|------------------|--------------|----------------|
| Walking | 5 kph | | | | |
| Bicycling | 10 kph | | | | |
| Speed Boat | 50 kph | | | | |
| Car | 90 kph | | | | |
| Commercial Jet | 800 kph | | | | |
| Apollo/Saturn V Vehicle | 5,300 kph | | | | |

Get Connected!

Learn more about NASA space exploration history, at: <http://history.nasa.gov>

Learn about NASA's proposals for sending humans to Mars at:
<http://spaceflight.nasa.gov/mars>