# Order-of-Magnitude Estimation Earth Runner (Level 1) 

## The Question

How long would it take to run around the world?

## Background

This is a straightforward OoM question that requires very little background knowledge beyond the fact that the time taken to travel some distance is that distance divided by the speed of travel.

## The Solution

## Education Standards

This OoM Estimation problems meets the following standards in bold:
Next Generation Science Standards (NGSS):

- Physical Sciences
- Matter \& Its Interactions
- Motion and Stability: Forces and Interactions
- Energy
- Waves and Their Applications in Technologies for Information Transfer
- Life Sciences
- From Molecules to Organisms: Structures and Processes
- Ecosystems: Interactions, Energy, and Dynamics
- Heredity: Inheritance and Variation of Traits
- Biological Evolution: Unity and Diversity
- Earth and Space Sciences
- Earth's Place in the Universe
- Earth's Systems
- Earth and Human Activity
- Engineering, Technology, and Applications of Science
- Engineering Design

Common Core Standards (CSS):

- Counting \& Cardinality
- Operations \& Algebraic Thinking
- Numbers \& Operations in Base Ten
- Number \& Operations - Fractions
- Measurement \& Data
- Geometry
- Ratios \& Proportional Relationships
- The Number System
- Expressions \& Equations
- Functions
- Statistics \& Probability

