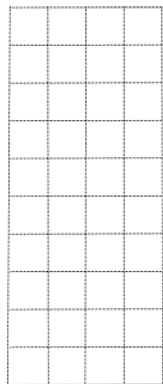


I-80

A 40 kg child is hanging from a rope by her hands. She exerts a burst of strength and 2.0 s later is traveling at 1.4 m/s up the rope.

Motion Diagram

Free-Body Diagram



Event 1:

$t_1 =$

$r_1 =$

$v_1 =$

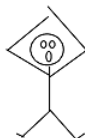
$a_{12} =$

Event 2:

$t_2 =$

$r_2 =$

$v_2 =$



Mathematical Analysis

This page titled [I-80](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Paul D'Alessandris](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.