

Moving Straight Ahead Investigation 1.1

Name _____ Period: _____

Here are walking rates for Mrs. Becksted, Aidan, & Avery:

Mrs. Becksted – 25 meters in 10 seconds

Aidan – 10 meters in 10 seconds

Avery – 20 meters in 10 seconds



Choose either Mrs. Becksted, Aidan, or Avery above and answer the following questions:

- A. What is his/her walking rate in meters per second?
- B. Assume Mrs. Becksted, Aidan, and Avery all continue to walk at their constant rates. Using the same person you chose above, answer the following questions:
1. How long would it take to walk 500 meters?
 2. How far could he/she walk in 30 seconds? In 10 minutes? In 1 hour?
 3. Write an equation that represents the distance d in meters that he/she could walk in t seconds.
 4. Use your equation above to predict the distance he/she would walk in 45 seconds.