

NAEP Runners Task

TCE 432A - Week 4, Day 7

Name: _____ Date: _____

The Task

The picture below shows the positions of two runners at one-second intervals as they move from left to right.

Runner 1:

(Equal spacing between positions)

Runner 2:

(Increasing spacing between positions)

For each runner, indicate whether the runner's speed seems to be **constant**, **increasing**, or **decreasing**.

Explain how you can tell this from the pictures.

Your Response

Runner 1's Speed:

- Constant
- Increasing
- Decreasing

Explain your reasoning:

Runner 2's Speed:

- Constant
- Increasing
- Decreasing

Explain your reasoning:

Source: NAEP 2005, Grade 8 Science, Question ID:2005-8S11 #5 K047201