

# Measuring Speed

---

## MATERIALS

For each group

- dominoes, 25
- meterstick
- stopwatch

## PROCEDURE

1. Stand up 25 dominoes in a straight line. Try to keep equal spacing between the dominoes.
2. Use a meterstick to measure the total length of your row of dominoes, and record the length.
3. Tip over the first domino. Use a stopwatch to time how long it takes for all of the dominoes to fall.
4. Repeat steps 1–3 several times using smaller and larger distances between the dominoes.

## ANALYSIS

1. To calculate the average speed for each trial, divide the total distance by the time that it takes the dominoes to fall.
  
  
  
  
  
  
  
  
  
  
2. How did the spacing between dominoes affect the average speed? Is this the result that you expected?

---

---

---