Activity #2

If we know George’s stride is 340 cm & his footprint length is 85 cm, use the following 2 equations to determine George’s relative speed.

1. \( \text{footprint length} \times 4 = \text{leg length} \)

2. \( \frac{\text{stride}}{\text{leg length}} = \text{relative speed} \)

3. George’s relative speed is ____________

4. Is he....?
   - walking (< 2)
   - trotting (2 – 2.9)
   - running (> 2.9)

Dinosaurs left trackways behind, trace fossils that show evidence of their movement across the landscape. The most common trackways are footprints.

George’s footprint would have been big 85 cm long! with a wide base and three toes.

Use chalk, or pencil and paper, to draw one of George’s footprints to scale. How many of your own footprints fit into one of George’s?