Task #1

Sara, an amazingly well-rounded athlete, participates in a grueling race. She begins the race by running 5000 m from the starting line to checkpoint A in **20 minutues and 40 seconds**. What is her velocity (in m/s)?

Task #2

Next, Sara swims 500 m from checkpoint A to checkpoint B with a velocity of 1.1 m/s. How much time does it take her?

Task #3

From checkpoint B she rides a bike with a velocity of 4.9 m/s for **1 hour**. What is the distance between checkpoint B to checkpoint C?

Task #4

Sara must now run all the way back to the starting line to finish the race. Completely exhausted, Sara climbs into her single-engine airplane and flies back to the starting line. What is her velocity to go from checkpoint C to the starting line if the plane ride is **19 minutes and 17 seconds**?

Task #5

Calculate Sara's **average speed** for the entire race and her **average velocity**.