Problem 1: I am Ironman!

Overview
The Ironman race originated in Kona, HI and consists of a 2.4 mile (open-ocean) swim, followed by a 112-mile bike ride, followed by a marathon (26.2 miles.) The current best time on that course is 7 hours, 52 minutes, and 39 seconds. Many communities encourage their population to complete an ironman over a 90-day period. Furthermore, for those who don’t partake of one of the three activities, alternatives are usually accepted.

Problem
A local community has issued an Ironman challenge with the following parameters:

- Swim: 4,000 yards
  Alternative: Rowing machine - 20,000 yards (trades 5:1)
- Bike: 112 miles
  Alternative: Cross-country skiing – 56 miles (trades 1:2)
- Run: 26 miles
  Alternative: Walk – 52 miles (trades 2:1)

A given participant may work in both sports within a discipline (swim, bike, or run) and get credit accordingly. For instance, someone might complete 75% of the swim by swimming 2,000 yards (50%) and rowing 5,000 yards (25%). Participants will get progress reports based upon their reported work in each of the six disciplines. Reports are computed by determining the (integral) percentages (truncating any fraction) in each sport and summing them for the discipline.

Input
The input consists of six non-negative integers representing the distance covered (in appropriate units) in each of the six sports (in the order: swim, row, bike, ski, run, walk.) A value may be above its limit, but will always be less than 1,000,000.

Output
The output consists of a single line of text, formatted as in the examples, showing the progress in each discipline.

-over-
Example 1

Input

  2000 5000 28 28 26 0

Output

  Participant has completed 75% swim, 75% bike, and 100% run.

Example 2

Input

  4000 0 2 0 13 13

Output

  Participant has completed 100% swim, 1% bike, and 75% run.

Example 3

Input

  8000 0 112 28 26 26

Output (indentation removed to keep output on one line)

Participant has completed 200% swim, 150% bike, and 150% run.