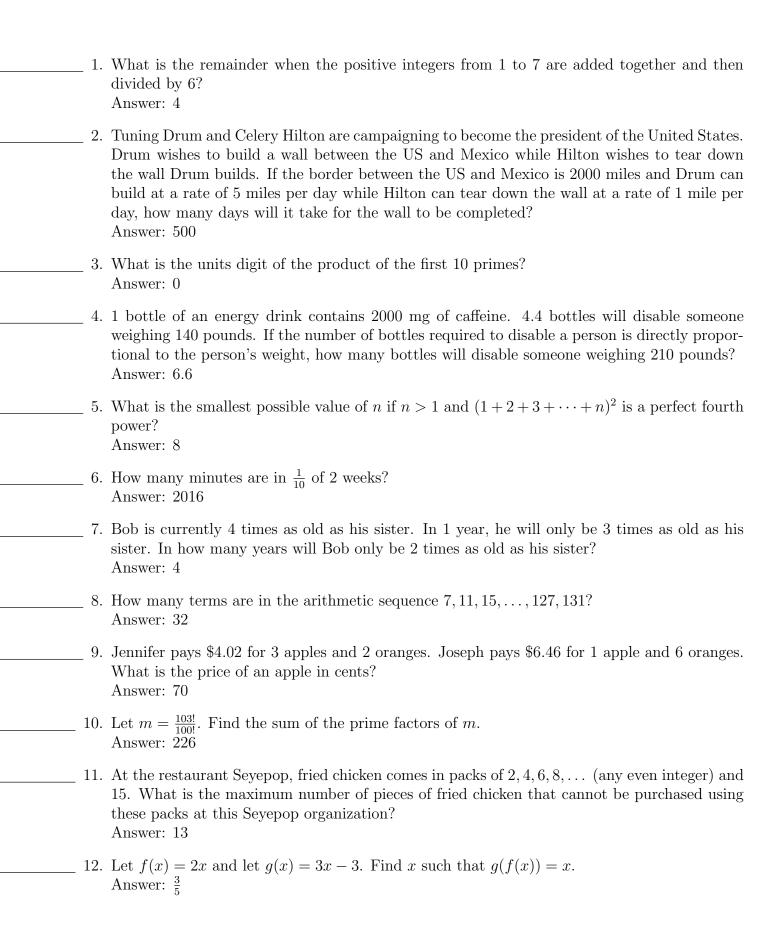
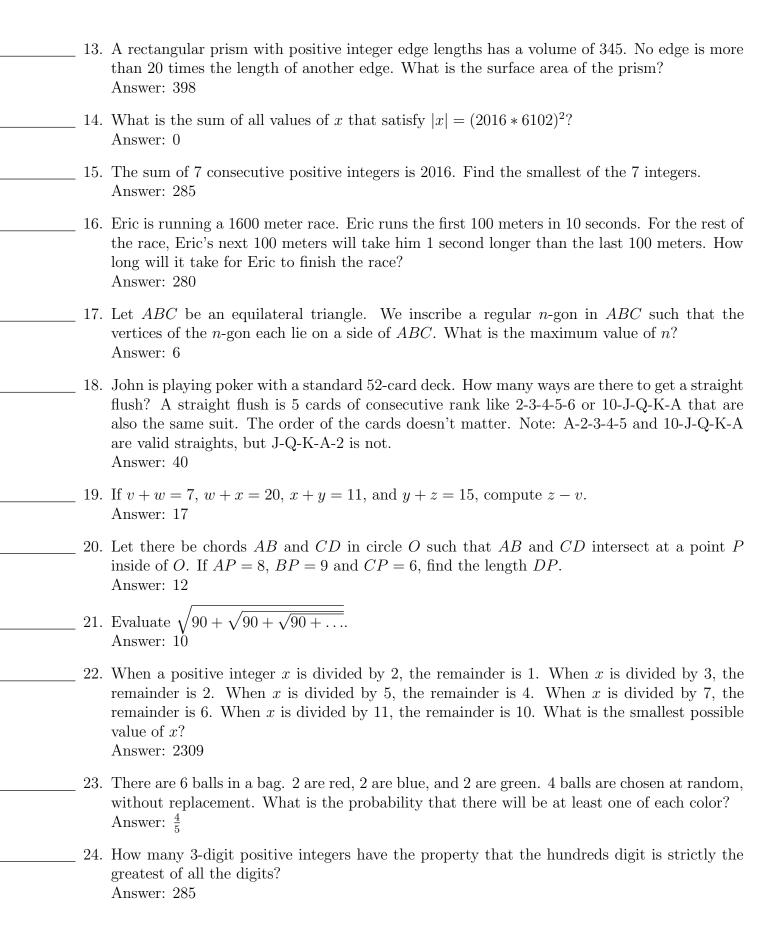
MBMT Sprint Round — Euclid Answers





25. Cire and Ymerej are playing a game where they alternate turns. The integers from 1 to 120 are placed in a hat and are to be drawn with replacement. Cire wins if he draws a multiple of 2, and Ymerej wins if he draws a multiple of 3. If neither player wins on their turn, the game continues. If Cire goes first, what is the probability that Ymerej wins? Answer: $\frac{1}{4}$