MCMC Sample Problems - Advanced

1. What is the units digit of 67^{2025} ?

| (a) 1 | (| (b) 3 | | (c) 5 | | |
|---------------------------------|-------------------------------------|------------------------|----------|--|----------------------------|---------|
| (d) 7 | (| (e) 9 | | | | |
| | | | | | | |
| - | e first 2025 pr units digit of h | | _ | ed and multiplies | all of them tog | gether. |
| (a) 0 | (| (b) 5 | | (c) 2 | | |
| (d) 4 | (| (e) 3 | | | | |
| | | | | | | |
| identical) and Megahertz, Fa | l two unique fi | gures (Me vian. How | egahertz | gures (let's assume and Vivian). He o vays can he arrang | calls the figures | Steel, |
| (a) 6 | (| (b) 7 | | (c) 8 | | |
| (d) 9 | (| (e) 12 | | | | |
| | | | | | | |
| | to minimize a he minimal va | | | $b, c \ge 0$ and $abc =$ | $=\frac{1}{27}$. Help Ben | ny out |
| (a) 1 | (b) 1/2 | (c) | 1/3 | (d) 1/4 | (e) 1/5 | |
| | | | | | | |
| - | | _ | | ns of the triangle ion. Then, what is the | | |
| (a) 1 | (b) 2 | (c) | 3 | (d) 4 | (e) 5 | |