Name:	

Math Club: Contest Week Five

Release Date: April 5, 2023

Instructions: Solve the following problem the best you can, first to submit the correct solution

via email or the secretaries in Room 332 (with time stamp) wins!

Problem 1. Suppose we have 11 identical wooden blocks $2 \text{ cm} \times 3 \text{ cm} \times 5 \text{ cm}$ in dimension and wish to build a tower 32 cm high. If the blocks are stacked flat on top of each other with random orientations what is the probability that after all 11 blocks are stacked a 32 cm tower is produced.