

**Calculate an approximation of pi with toothpicks:**

1. Place this sheet flat on a table.
2. Grab 10-20 plain, 2.5-inch wooden toothpicks.
3. Haphazardly toss the toothpicks onto the lined section of this sheet.
4. Record how many toothpicks are crossing a line, and the total number of toothpicks that you tossed.

*Optional:* Repeat steps 1-4 a few times, being sure to record the total number of crosses and tosses.

5. Plug your numbers into this equation:  $2 \times \frac{\text{_____}}{\text{\#tosses}} / \frac{\text{_____}}{\text{\#crosses}} = \text{_____}$

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