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| <b>Name:</b> | <b>Date:</b> | <b>Period:</b> |
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## Lab02: Average Number of Steps

- Run 10,000 trials with  $n = 5$  and report the average number of steps:
- Run 10,000 trials with  $n = 6$  and report the average number of steps:
- Run 10,000 trials with  $n = 7$  and report the average number of steps:
- Run 10,000 trials with  $n = 8$  and report the average number of steps:
- Run 10,000 trials with  $n = 9$  and report the average number of steps:
- Sketch a plot for  $n \leq 25$ .

- What is the relationship between  $n$  and the average number of steps?

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### Official Use Only

|                  |           |                |                     |
|------------------|-----------|----------------|---------------------|
| Header:          | Name      | Correct Date   | Program Description |
| Style:           | Comments  | Variable Names | Modular             |
| Data Structures: | Obvious   | General        | Lean                |
| Algorithm:       | Clear     | Correct        | Efficient           |
| Scoring:         | Raw _____ | Late _____     | Total _____         |