**Chapter 5: Conclusion**

# Final Exam: Question 2

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## Correct Options

- The size of the data in the database is 530 terabytes.

  This is the amount of space needed to keep the data for a one year period.

  10,000,000 cellphones * 100 bytes/(minute*cellphone) * (60 * 24 * 365 minutes/year)

- The peak number is 830,000 writes/second.

  50,000,000 cellphones/minute * 1 minute/60 seconds

- The average write rate is 170,000 writes/second.

  10,000,000 cellphones/minute * 1 minute/60 seconds

## Incorrect Options

All other provided numbers are incorrect.

Proceed to next section