

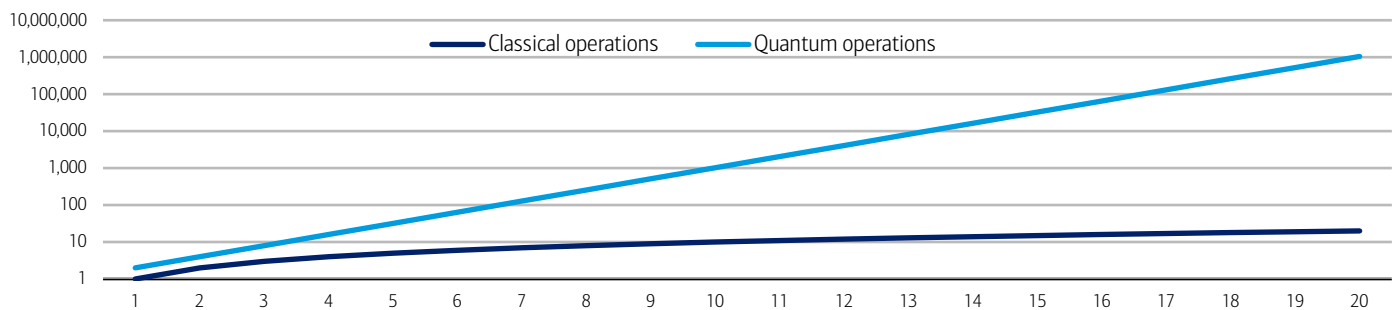
Daily Insights

Quantum leap: 10 qubits = 100x classical power

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A quantum computer with just 10 qubits could perform more than 100x the operations that a classical computer can perform

Number of classical vs quantum operations for a given (qu)bit number (log scale)



Source: BofA Global Research

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Quantum computers scale exponentially, so more qubits should bring more opportunities. In fact, every additional qubit doubles the number of operations the system can perform, and a quantum computer with just 10 qubits could perform more than 100 times the operations of a classical computer, according to BofA Global Research.

The end result? Quantum computers could one day perform more calculations than there are atoms in the universe, powering breakthroughs in encryption, simulation, and data analysis. The unlocked economic value could span industries — from finance and logistics to healthcare and national security — by solving problems classical computers can't handle efficiently.

For more on quantum's potential, read: [Quantum leaps and bounds](#).

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