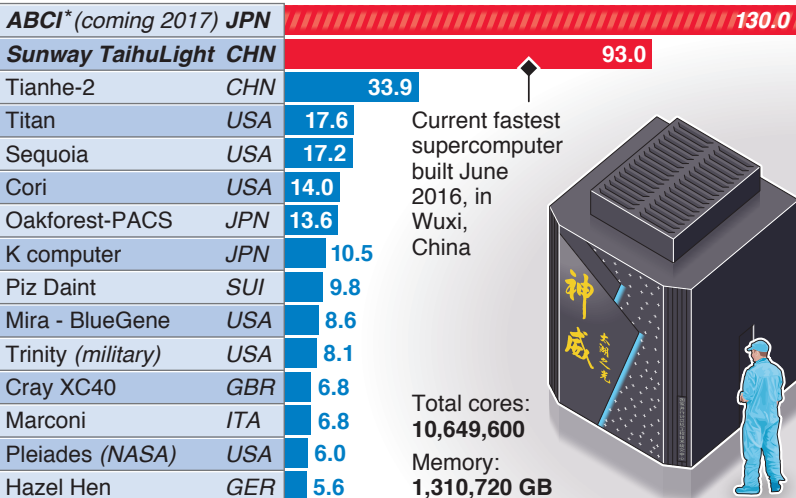


# Japan eyes supercomputer crown

Japan plans to build the world's fastest supercomputer to aid research into driverless cars, robotics and medical diagnostics

## TOP 15 FASTEST SUPERCOMPUTERS

Petaflop performance – quadrillion calculations per second



## SENSE OF SCALE

■ **Petaflop**: Unit of measurement for performance of processor power

■ **Peta**: Means quadrillion, which looks like: **1,000,000,000,000,000**

■ **Flop**: Stands for **Floating Point Operations Per Second**

■ **ABCI** able to compute **130 quadrillion** calculations per second.

If one person was to make same number of calculations at rate of one every second, it would take **4 billion years** to complete task

\*Proposed \$173 million **AI Bridging Cloud Infrastructure** supercomputer

Sources: TechRepublic (CBS), University of Illinois, wire agencies

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