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Calculus Rates of Change

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| **Across**  **1.** Helped develop probability theory and projective geometry  **4.** The father of geometry  **5.** Considered to be the most prolific mathematician of all time  **11.** Pioneer in the use of statistical graphs  **13.** Popularized the use of Hindu-Arabic numerals in the west  **14.** Shares credit with Leibniz for inventing calculus  **16.** First recorded proof of theorem named for him  **17.** 3.14159  **18.** Developed mathematical foundations for general theory of relativity  **19.** A "father" of Algebra | **Down**  **2.** Created calculus independent of Newton  **3.** His 1637 Last Theorem was finally proven in 1994 by Andrew Wiles  **6.** Set rules of computing with zero  **7.** Father of analytic geometry  **8.** Established system for daily use of decimal numbers  **9.** Computed the value of pi to 7 decimal places  **10.** Polygon with 5 sides  **12.** Proved the fundamental theorem of algebra  **15.** Father or accounting and bookkeeping |