

Today at Math Camp:

Sum of squares: $\sum_{i=1}^n i^2 = \frac{n(n+1)(2n+1)}{6}$

Sum of cubes: $\sum_{i=1}^n i^3 = \frac{n^2(n+1)^2}{4}$ or $\frac{(n+1)^2}{4}$

Sum of i^k : $\frac{n^{k+1}}{k+1}$

Division: $\frac{a}{b} = \frac{a \cdot \frac{1}{b}}{1}$

FOR PRECISION

complex, real, rational, integers, whole numbers, natural

$\mathbb{C}, \mathbb{R}, \mathbb{Q}, \mathbb{Z}, \mathbb{W}, \mathbb{N}$

Today at Math Camp:

problems: the units digits of $(2007 \cdot 2009 \cdot 2011)^n$ is the answer to this problem.

last digit of: a. 2^{100} b. 7^{2^2} c. 9^{1^7} d. $2^{55^{44}}$

Postcard 1: NEW YORK NORTH CIRCLE, NEW YORK NY 100. Greetings, Young Mathematicians — What did you do in camp today? 15 JUL 2024 PM 3L. Includes a postage stamp.

Postcard 2: WASHINGTON VTD 05 JUL 2016. Greetings, Young Mathematicians — What did you do in camp today? Includes a postage stamp.

Postcard 3: American Mathematical Society Epsilon Fund for Young Scholars 201 Charles Street. Thank you for your support! *Eli Gluck*

Postcard 4: Today at Math Camp: A drawing of a building with windows. Includes the AMS logo and form fields: First name (optional): _____ Year in school: 2014.

Postcard 5: This is a Coffee Cup. Includes the AMS logo and form fields: First name (optional): _____ Year in school: 2014.

Postcard 6: Evolutionary and functional gene theory. Includes a graph of a circle and the equation $y = -\sqrt{4-x^2} + 3$. Includes the AMS logo and form fields: First name (optional): _____ Year in school: 2014.

The Epsilon Fund for Young Scholars endowment supports summer camps for mathematically talented pre-college students.

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Thank you

