

In memory of Justynke, my wife

FORMULAS

'The laws of nature are but the mathematical thoughts of God.'
Euclid

FORMULA No.

W49

www.and-just-math.com

We are not mathematicians, but we love mathematics and create formulas ourselves.

'No other science boosts the faith in the strength of the human spirit like mathematics.'
Hugo Steinhaus

1 WEEK = 7 DAYS
=
7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

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D491

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$$\sum_{k=1}^{k=\infty} \frac{(k^2 - 36) \times 6^{2 \times k - 2}}{k!^2} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{(2 \times k - 1) \times 5^{k-1}}{2^{k-1} \times (k + 2)!} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{55 \times k^3 + 41 \times k^2 - 30 \times k - 36}{(5 \times k + 1) \times (5 \times k + 6) \times (k + 1)!} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{(k^2 + 7 \times k + 3) \times 3^{k+1}}{(k+1)! \times (k+6)!} = \frac{1}{80} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{48 \times k^2 + 72 \times k + 31}{(4 \times k + 1)^3 \times (4 \times k + 5)^3} = \frac{1}{500} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{k \times [5 \times (k + 2) \times k! + 3]}{(k + 1)! \times (5 \times k! + 3) \times [5 \times (k + 1)! + 3]} = \frac{1}{8} \quad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{(7^k - 7 \times 2^{k-2} - 2^{k-1}) \times 2^k}{7^{2 \times k}} = \frac{1}{5} \quad k \in \mathbb{N}$$

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We invite you every
week and every day
to our website
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Thanks for:
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