

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W47

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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D471

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$$\sum_{k=1}^{k=\infty} \frac{(9 \times k^2 - 25) \times 5^{2 \times k - 2}}{k!^2 \times 3^{2 \times k}} = 1 \quad k \in \mathbb{N}$$

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

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$$\sum_{k=1}^{k=\infty} \frac{26 \times k^3 + 139 \times k^2 - 22 \times k - 121}{(2 \times k + 9) \times (2 \times k + 11) \times (k + 1)!} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{(2 \times 6^k - 6 \times 5^{k-1} - 5^k) \times 5^{k-1}}{6^{2 \times k}} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{(k^2 + 3 \times k - 11) \times 13^{k-1}}{(k+1)! \times (k+2)!} = \frac{1}{2} \quad k \in \mathbb{N}$$

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

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$$\sum_{k=1}^{k=\infty} \frac{3 \times k^2 + 39 \times k + 127}{(k+6)^3 \times (k+7)^3} = \frac{1}{343} \quad k \in \mathbb{N}$$

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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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