

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W42

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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FORMULA No.

D421

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$$\sum_{k=1}^{k=\infty} \frac{(9 \times k^2 - 4) \times 2^{2 \times k - 2}}{k!^2 \times 3^{2 \times k}} = 1 \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{k^2 + 5 \times k + 5}{(k + 4)!} = \frac{1}{8} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{(3 \times k + 10) \times 5^k}{3^{k-1} \times (k + 5)!} = \frac{1}{8} \quad k \in \mathbb{N}$$

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$$\sum_{k=1}^{k=\infty} \frac{7^k - 4}{7^{2 \times k}} = \frac{1}{12}$$

$k \in \mathbb{N}$

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

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

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$$\sum_{k=1}^{k=\infty} \frac{60 \times k^3 + 59 \times k^2 - 35 \times k - 49}{(5 \times k + 2) \times (5 \times k + 7) \times (k + 1)!} = 1 \quad k \in \mathbb{N}$$

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We invite you every
week and every day
to our website
www.and-just-math.com

Thanks for:
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