FORMULAS

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

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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
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7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

D401

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

$$\sum_{k=1}^{k=\infty} \frac{(4 \times k^2 - 25) \times 5^{2 \times k - 2}}{k!^2 \times 2^{2 \times k}} = 1 \qquad k \in N$$

FORMULAS

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$$\sum_{k=1}^{k=\infty} \frac{16 \times k^2 + 80 \times k + 95}{(4 \times k + 9) \times (4 \times k + 13) \times (k + 2)! \times 2^{2 \times k - 1}} = \frac{1}{13}$$

$$k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

D403

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

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$$\sum_{k=1}^{k=\infty} \frac{\left(3^k - 3 \times 2^{k-2} - 2^{k-1}\right) \times 2^k}{3^{2 \times k}} = 1 \qquad k \in N$$

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FORMULA No.

D405

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

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$$k \in N$$

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

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{24 \times k^3 + 31 \times k^2 - 15 \times k - 25}{(3 \times k + 2) \times (3 \times k + 5) \times (k+1)!} = 1$$

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week and every day
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