FORMULAS

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

●●

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

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$$\sum_{k=1}^{k=\infty} \frac{1}{25 \times k^2 - 15 \times k - 4} = \frac{1}{5} \qquad k \in N$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^2 - k - 1}{(2 \times k + 5) \times (2 \times k + 7) \times (7 \times k - 5) \times (7 \times k + 2)} = 0$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} 3^{k-1} \times sin^3\left(\frac{\pi}{8 \times 3^{k-1}}\right) = \frac{3 \times \pi - 4 \times \sqrt{2 + \sqrt{2}}}{32}$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{3 \times k! \times (k^2 + k + 1) + 2^{k+1}}{(3 \times k \times k! + 2^{k+1}) \times [3 \times (k+1) \times (k+1)! + 2^{k+2}]} = \frac{1}{7}$$

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$$\sum_{k=1}^{k=\infty} \frac{1}{121 \times k^2 - 143 \times k + 12} = -\frac{1}{11} \qquad k \in N$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{5^{k-1} \times \left[(5 \times k + 12)^{k+1} + 25 \times (5 \times k + 2)^{k-1} - 10 \times (5 \times k + 7)^k\right]}{\left[(5 \times k + 12)^{k+1} - 5 \times (5 \times k + 7)^k\right] \times \left[(5 \times k + 7)^k - 5 \times (5 \times k + 2)^{k-1}\right]} = \frac{1}{7}$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{30 \times k^2 - 28 \times k - 1}{(5 \times k - 4) \times (5 \times k + 1) \times (25 \times k - 24) \times (25 \times k + 1)} = \frac{1}{125}$$

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We invite you every
week and every day
to our website
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