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 = 7 FORMULAS

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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Euclid
••

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$$\sum_{k=1}^{k=\infty} \frac{1}{36 \times k^2 - 48 \times k + 7} = -\frac{1}{6} \qquad k \in N$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{1}{(11 \times k + 6) \times (11 \times k + 17)} = \frac{1}{187}$$

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$$k \in N$$

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

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$$\sum_{k=1}^{k=\infty} \frac{1}{1024 \times k^2 + 64 \times k - 255} = \frac{1}{544} \qquad k \in N$$

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.

D165

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{56 \times k^2 - 54 \times k - 1}{(7 \times k - 6) \times (7 \times k + 1) \times (49 \times k - 48) \times (49 \times k + 1)} = \frac{1}{343}$$

NEW MATHEMATICAL FORMULA DAILY

FORMULAS

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(k+4)^{k+1} + (k+2)^{k-1} - 2 \times (k+3)^k}{[(k+4)^{k+1} - (k+3)^k] \times [(k+3)^k - (k+2)^{k-1}]} = \frac{1}{3}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

FORMULA No.

D167

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 80 \times k^3 + 132 \times k^2 + 88 \times k + 21}{(2 \times k^2 + 3 \times k + 1) \times (4 \times k^2 + 6 \times k + 1) \times (4 \times k^2 + 14 \times k + 11) \times (2 \times k)!} = \frac{1}{11}$$

NEW MATHEMATICAL FORMULA DAILY

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week and every day
to our website
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