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

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$$\sum_{k=1}^{k=\infty} \frac{1}{(k+3) \times (k+4)^2} = \frac{241}{144} - \frac{\pi^2}{6} \qquad k \in N$$

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$$k \in N$$

$$\prod_{k=1}^{k=\infty} \left(2 \times cos\left(\frac{\pi}{2 \times 3^k}\right) - 1 \right) = \frac{\sqrt{2}}{2}$$

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{6 \times k^2 - 4 \times k - 1}{(4 \times k - 3) \times (4 \times k - 2) \times (4 \times k + 1) \times (4 \times k + 2)} = \frac{1}{32}$$

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$$k \in N$$

$$\prod_{k=1}^{k=\infty} cos\left(\frac{5 \times \pi}{3 \times 2^{2 \times k+1}}\right) \times cos\left(\frac{5 \times \pi}{3 \times 2^{2 \times k+2}}\right) = \frac{3 \times (\sqrt{6} + \sqrt{2})}{5 \times \pi}$$

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

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$$\prod_{k=1}^{k=\infty} \frac{\cos\left(\dfrac{\pi}{3 \times 2^{k-1}}\right)}{\cos^2\left(\dfrac{\pi}{3 \times 2^{k}}\right)} = \frac{\sqrt{3} \times \pi}{9} \qquad k \in N$$

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$$\sum_{k=1}^{k=\infty} \frac{1}{(k+4)^2 \times (k+5)} = \frac{\pi^2}{6} - \frac{1169}{720} \qquad k \in N$$

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week and every day
to our website
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