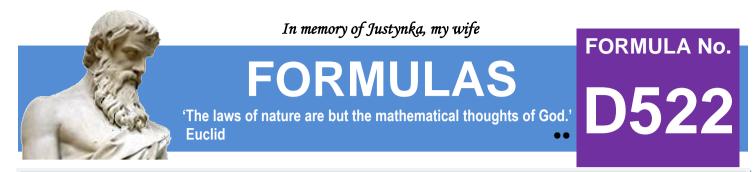


We are not mathematicians, but we love mathematics and create formulas ourselves.

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

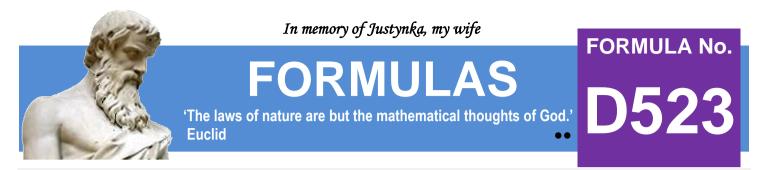
$$\sum_{k=1}^{k=\infty} \frac{k^3 + 4 \times k^2 + 8 \times k + 4}{k^2 \times (k+1)^2 \times (k+2)^2 \times (k+1)!} = \frac{1}{4}$$



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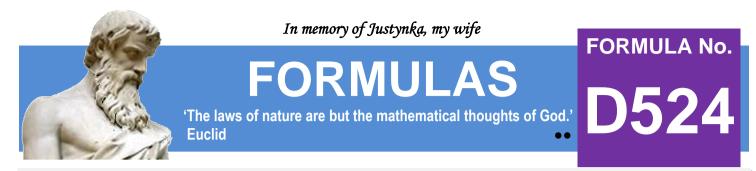
 $k \in N$ $k = \infty$ $\sum_{k=0}^{\infty} \frac{(k^2 + 2 \times k + 6) \times 5^k}{k \times (k+1) \times (k+6)!}$ 144 k=1



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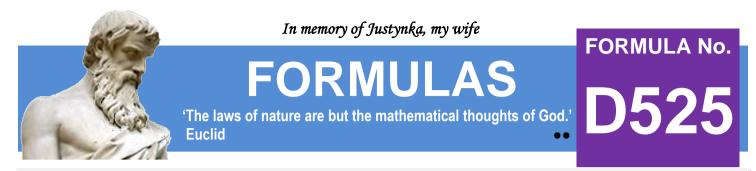
$$\sum_{k=1}^{k=\infty} \frac{sin\left(\frac{(6 \times k - 1) \times \pi}{6^{k+1} \times k!}\right)}{cos\left(\frac{\pi}{6^{k+1} \times k!}\right) \times cos\left(\frac{\pi}{6^k \times (k - 1)!}\right)} = \frac{\sqrt{3}}{3}$$



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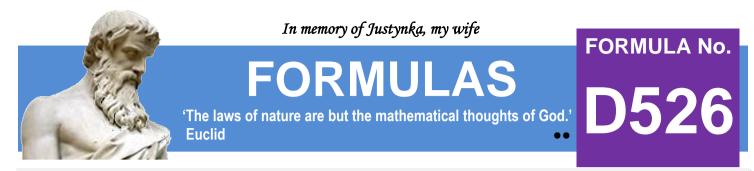
$$\sum_{k=1}^{k=\infty} \frac{7^{k-1} \times (k^3 - 4 \times k^2 + 3 \times k + 1)}{k^2 \times (k+1)^2 \times (k+1)!} = 1$$



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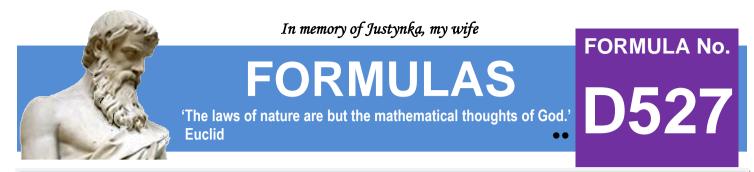
$$\sum_{k=1}^{k=\infty} \frac{2^{k-2} + k \times 2^{k-3} + 1}{k \times (k+1) \times (2^{k-3} + 1) \times (2^{k-2} + 1)} = \frac{4}{5}$$



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$$\sum_{k=1}^{k=\infty} \frac{k^3 + 9 \times k^2 + 22 \times k + 11}{(k+1)! \times (k+5)!} = \frac{4}{5!}$$



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

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

> Thanks for: Photo nonbirinonko z Pixabay Photo Gordon Johnson z Pixabay Photo lange-adrian z Pixabay