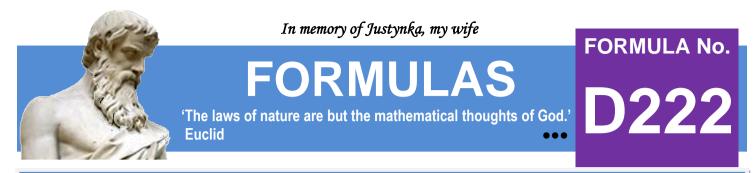


We are not mathematicians, but we love mathematics and create formulas ourselves.

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

$$k \in N$$

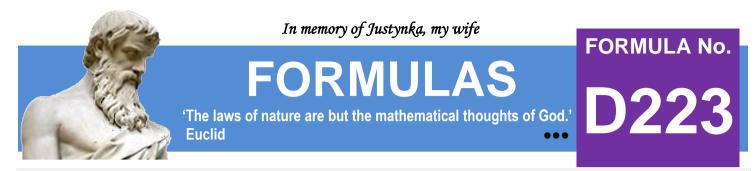
$$\sum_{k=1}^{k=\infty} \frac{49 \times k^2 + 343 \times k + 587}{(7 \times k + 22) \times (7 \times k + 29) \times (k + 3)! \times 7^k} = \frac{1}{174}$$



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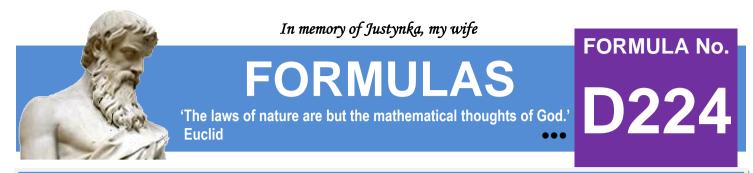
$$\sum_{k=1}^{k=\infty} \frac{(3 \times k + 8) \times 7^{k-1}}{3^{k-1} \times (k+5)!} = \frac{1}{40}$$



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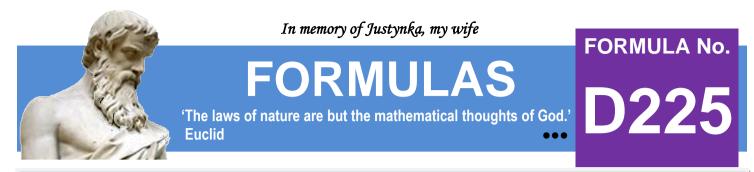
$$\sum_{k=1}^{k=\infty} \frac{2 \times (k+1)^{k-4} - k^{k-5}}{k^{k-5} \times (k+1)^{k-4} \times 2^k} = 1$$



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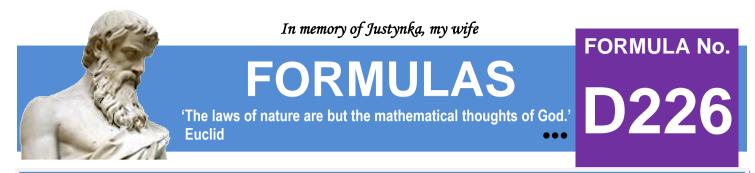
$$k \in N$$
$$\sum_{k=1}^{k=\infty} \frac{[5 \times (k+1)^2 \times (4 \times k! - 3) - 3 \times k] \times k!}{(5 \times k! - 3) \times [5 \times (k+1)! - 3] \times [5 \times (k+2)! - 3]} = \frac{1}{14}$$



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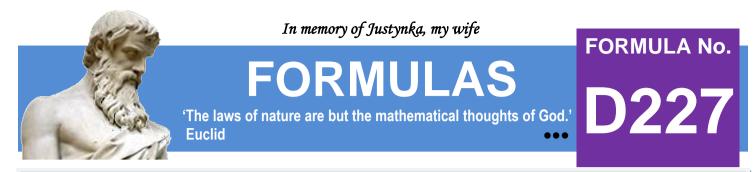
$$\sum_{k=1}^{k=\infty} \frac{(k+2)^6 - (k+1)^5}{k! \times [(k+1) \times (k+2)]^6} = \frac{1}{64}$$



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$$\sum_{k=1}^{k=\infty} \frac{5 \times k^2 + 29 \times k + 21}{(k+4) \times (k+5) \times (k+1)! \times 5^k} = \frac{1}{5}$$



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$$\sum_{k=1}^{k=\infty} \frac{(k^2 + 3 \times k - 15) \times 17^{k-1}}{(k+1)! \times (k+2)!} = \frac{1}{2}$$

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