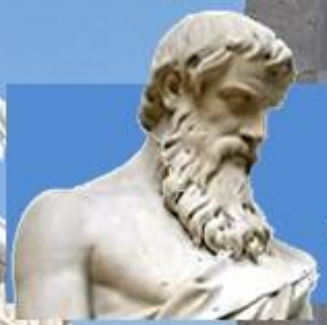

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W34

www.and-just-math.com

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

In memory of Justynka, my wife

FORMULAS

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Euclid

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FORMULA No.

D341

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$$\sum_{k=1}^{k=\infty} \frac{\left(4 \times k^2 - 9\right) \times 3^{2 \times k - 2}}{k!^2 \times 2^{2 \times k}} = 1 \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^2 + 52 \times k + 167}{(2 \times k + 13) \times (2 \times k + 15) \times (k + 6)! \times 2^{k-4}} = \frac{1}{675}$$

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$$\sum_{k=1}^{k=\infty} \frac{(k-5)\times 7^{k-1}}{(k+2)!} = \frac{1}{2} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{\left(11^{k}-6\right)}{11^{2\times k}} = \frac{1}{20}$$

NEW MATHEMATICAL FORMULA DAILY

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$$\sum_{k=1}^{k=\infty} \frac{\left(k^2+3\times k-3\right)\times 5^{k-1}}{(k+1)!\times(k+2)!} = \frac{1}{2} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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Euclid

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$$\sum_{k=1}^{k=\infty} \frac{\left(3^k - 3 \times 2^{k-2} - 2^{k-1}\right) \times 2^k}{3^{2 \times k}} = 1 \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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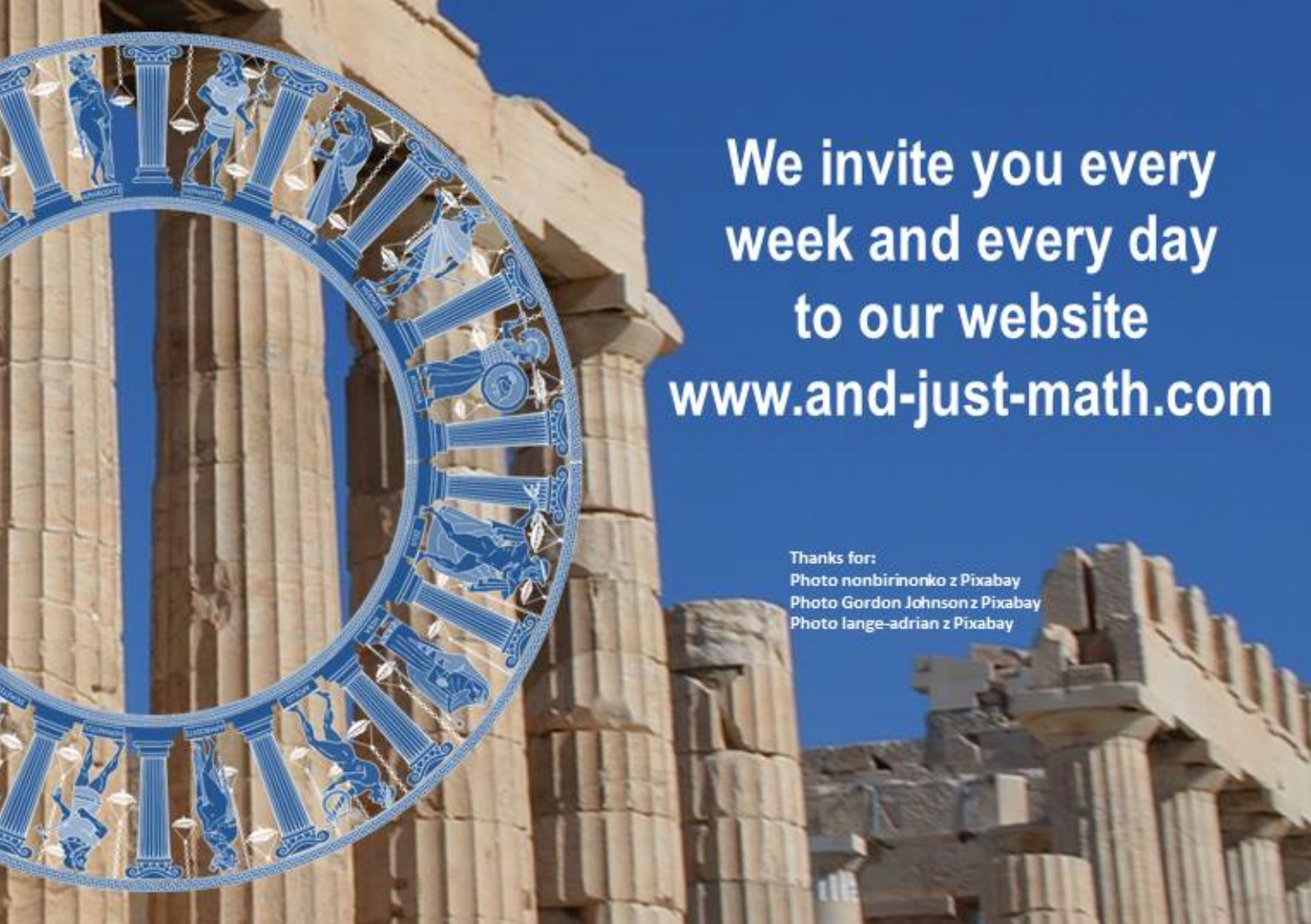
$$k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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