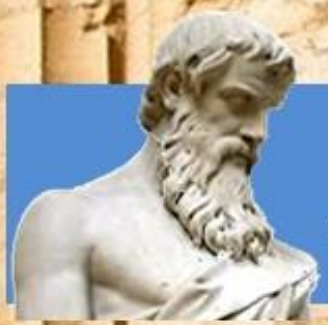

In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W48

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

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FORMULA No.

D481

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$$\sum_{k=1}^{k=\infty} \frac{\left(25 \times k^2 - 16\right) \times 2^{4 \times k - 4}}{k!^2 \times 5^{2 \times k}} = 1 \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULA No.

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

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{10 \times k^3 + 11 \times k^2 - 6 \times k - 9}{(2 \times k + 1) \times (2 \times k + 3) \times (k + 1)!} = 1$$

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

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$$k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{\left(2 \times 7^{k} - 7 \times 5^{k-1} - 5^{k}\right) \times 5^{k-1}}{7^{2 \times k}} = \frac{1}{2}$$

NEW MATHEMATICAL FORMULA DAILY

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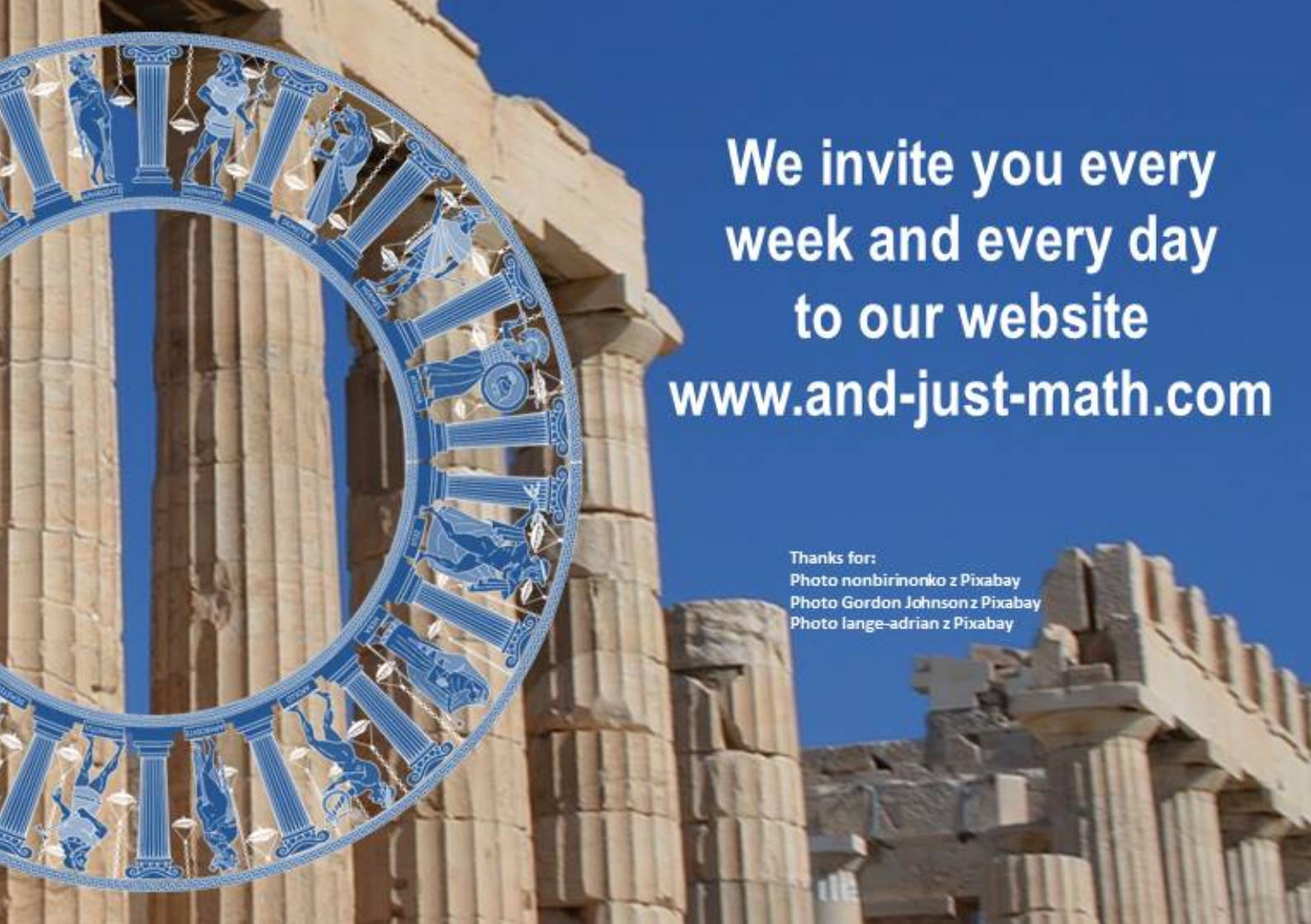
$$\sum_{k=1}^{k=\infty} \frac{9 \times k^2 + 15 \times k + 7}{(3 \times k + 1)^3 \times (3 \times k + 4)^3} = \frac{1}{576} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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