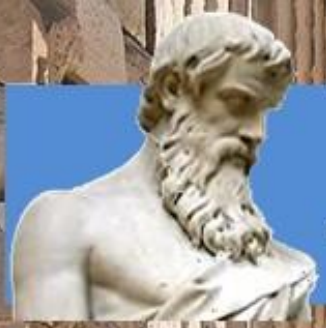

In memory of Justynka, my wife

FORMULAS

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

•••

FORMULA No.

W14

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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.

D141

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times k^2 + 36 \times k + 79}{(2 \times k + 9) \times (2 \times k + 11) \times (k + 4)! \times 2^{k-3}} = \frac{1}{33}$$

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{3^k \times sin^3\left(\frac{\pi}{3^{k+1}}\right) \times (k+4)^2 + \left[\pi - 3^{k+1} \times sin\left(\frac{1}{3^{k+1}}\right)\right] \times (k+3)}{(k+2)^2 \times (k+3)^2 \times (k+4)^2} = \frac{2 \times \pi - 3 \times \sqrt{3}}{1152}$$

NEW MATHEMATICAL FORMULA DAILY

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

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

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FORMULA No.

D144

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$$\sum_{k=1}^{k=\infty} \frac{(k+2)^5 - (k+1)^4}{k! \times [(k+1) \times (k+2)]^5} = \frac{1}{32} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

•••

FORMULA No.

D145

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{7^k + 6 \times k \times 7^{k-1} + 3}{k \times (k+1) \times (7^{k-1} + 3) \times (7^k + 3)} = \frac{1}{4}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

•••

FORMULA No.

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

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

•••

FORMULA No.

D147

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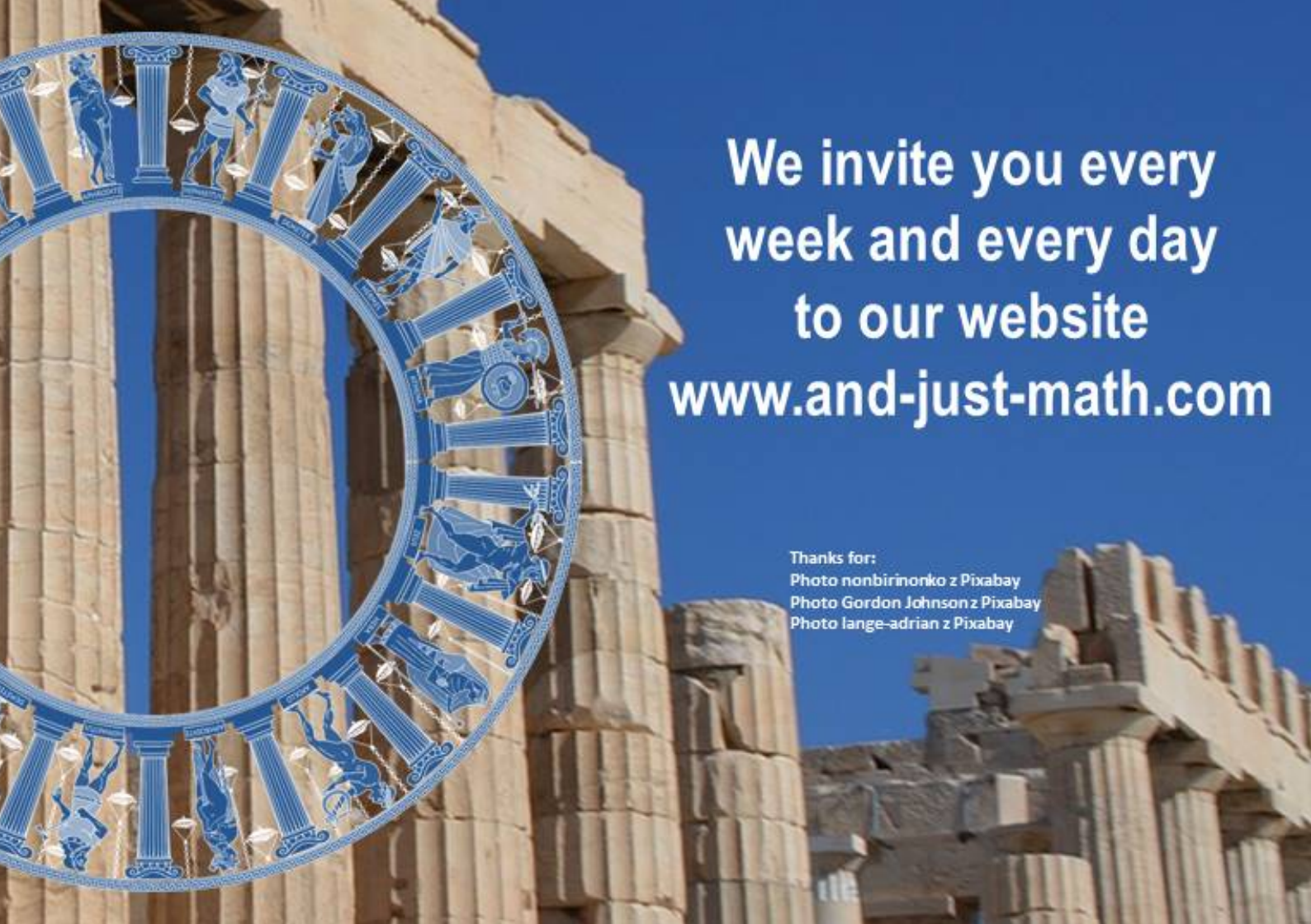
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{3 \times k^2 + 17 \times k + 11}{(k+4) \times (k+5) \times (k+1)! \times 3^k} = \frac{1}{5}$$

NEW MATHEMATICAL FORMULA DAILY



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Thanks for:
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