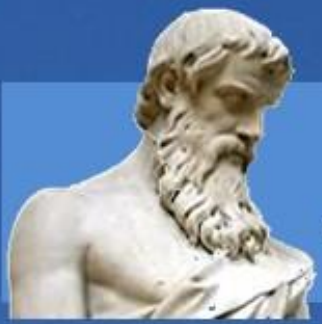

In memory of Justynka, my wife

FORMULAS

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

•••

FORMULA No.

W23

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.

D231

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^2 + 144 \times k + 319}{(4 \times k + 17) \times (4 \times k + 21) \times (k + 4)! \times 2^{2 \times k - 3}} = \frac{1}{63}$$

NEW MATHEMATICAL FORMULA DAILY

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D232

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

NEW MATHEMATICAL FORMULA DAILY

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[10 \times (k+1)^2 \times (3 \times k! - 1) - k] \times k!}{(10 \times k! - 3) \times [10 \times (k+1)! - 3] \times [10 \times (k+2)! - 3]} = \frac{2}{119}$$

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

•••

FORMULA No.

D234

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$$k \in N$$

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

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

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Euclid

•••

FORMULA No.

D235

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$$\sum_{k=1}^{k=\infty} \frac{3 \times k^2 + 8 \times k + 5}{(k+1) \times (k+2)! \times 3^k} = \frac{1}{2} \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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FORMULAS

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Euclid

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FORMULA No.

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$$\sum_{k=1}^{k=\infty} \frac{\left(k^2 + 2 \times k - 12\right) \times 13^{k-1}}{(k+1)!^2} = 1 \qquad k \in N$$

NEW MATHEMATICAL FORMULA DAILY

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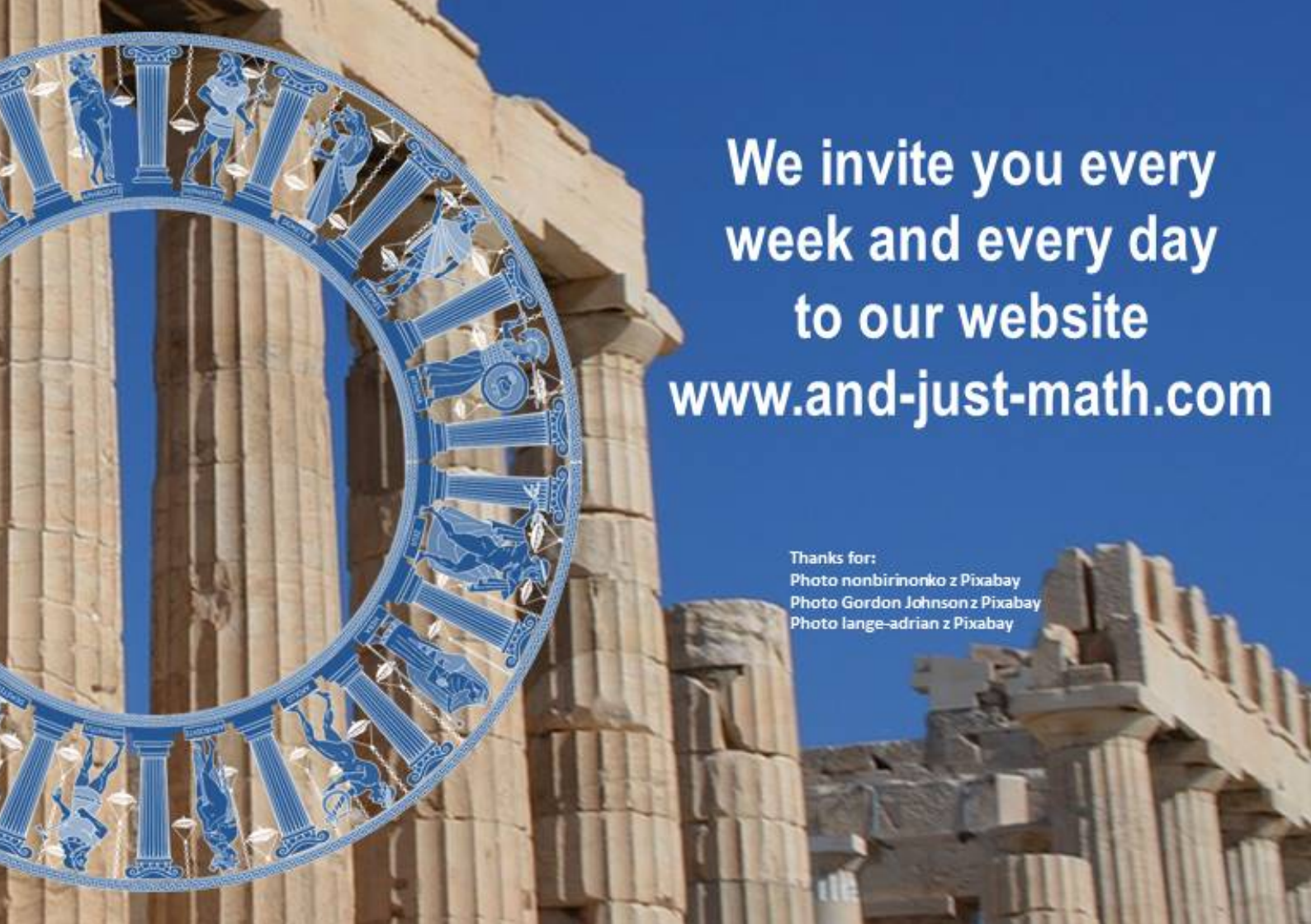
$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(k+4)! \times [k \times (k+5)! + 4]}{(k+1)! \times [(k+4)! - 1] \times [(k+5)! - 1]} = \frac{120}{119}$$

NEW MATHEMATICAL FORMULA DAILY



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

Thanks for:
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