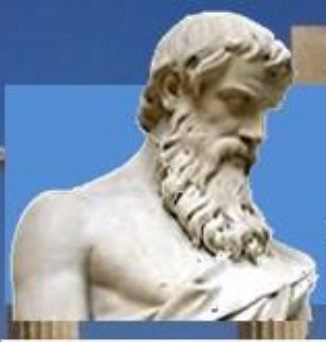

*In memory of Justynka, my wife*

# FORMULAS

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

●●●●

FORMULA No.

**W02**

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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

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

●●●●

FORMULA No.

D021

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^9 + 9 \times k^8 + 33 \times k^7 + 63 \times k^6 + 75 \times k^5 + 111 \times k^4 + 245 \times k^3 + 348 \times k^2 + 240 \times k + 64}{k^3 \times (k+1)^3 \times (k+2)^3 \times (k+3)^3 \times (k+4)^3} = \frac{533 - 54 \times \pi^2}{54}$$

NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

••••

FORMULA No.

D022

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$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{16 \times k^4 + 96 \times k^3 - 349 \times k^2 - 4091 \times k - 9936}{(k+3) \times (k+4) \times (16 \times k^2 - 729) \times (16 \times k^2 - 529)} = \frac{\pi}{200}$$

## NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

••••

FORMULA No.

D023

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 14 \times k^3 + 91 \times k^2 + 304 \times k + 400}{(k+2) \times (k+3)^2 \times (k+4)^3 \times (k+5)} = \frac{61 - 6 \times \pi^2}{36}$$

## NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

D024

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

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{576 \times k^4 - 384 \times k^3 + 172 \times k^2 + 152 \times k + 15}{(6 \times k - 5) \times (6 \times k + 1) \times (16 \times k^2 - 1) \times [16 \times (k+1)^2 - 1]} = \frac{4 - \pi}{8}$$

## NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

●●●●

FORMULA No.

D025

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Hugo Steinhaus

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{k^4 + 17 \times k^3 + 133 \times k^2 + 528 \times k + 784}{(k+2)^2 \times (k+3)^2 \times (k+4)^2 \times (k+6) \times (k+7)} = \frac{6 \times \pi^2 - 59}{18}$$

## NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

••••

FORMULA No.

D026

www.and-just-math.com
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Hugo Steinhaus

$$\sum_{k=1}^{k=\infty} \frac{1}{4 \times (2 \times k - 1)^2 - 5329} = \frac{\pi}{584} \qquad k \in N$$

## NEW MATHEMATICAL FORMULA DAILY

*In memory of Justynka, my wife*

# FORMULAS

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

••••

FORMULA No.

D027

www.and-just-math.com
We are not mathematicians, but we love mathematics and create formulas ourselves.

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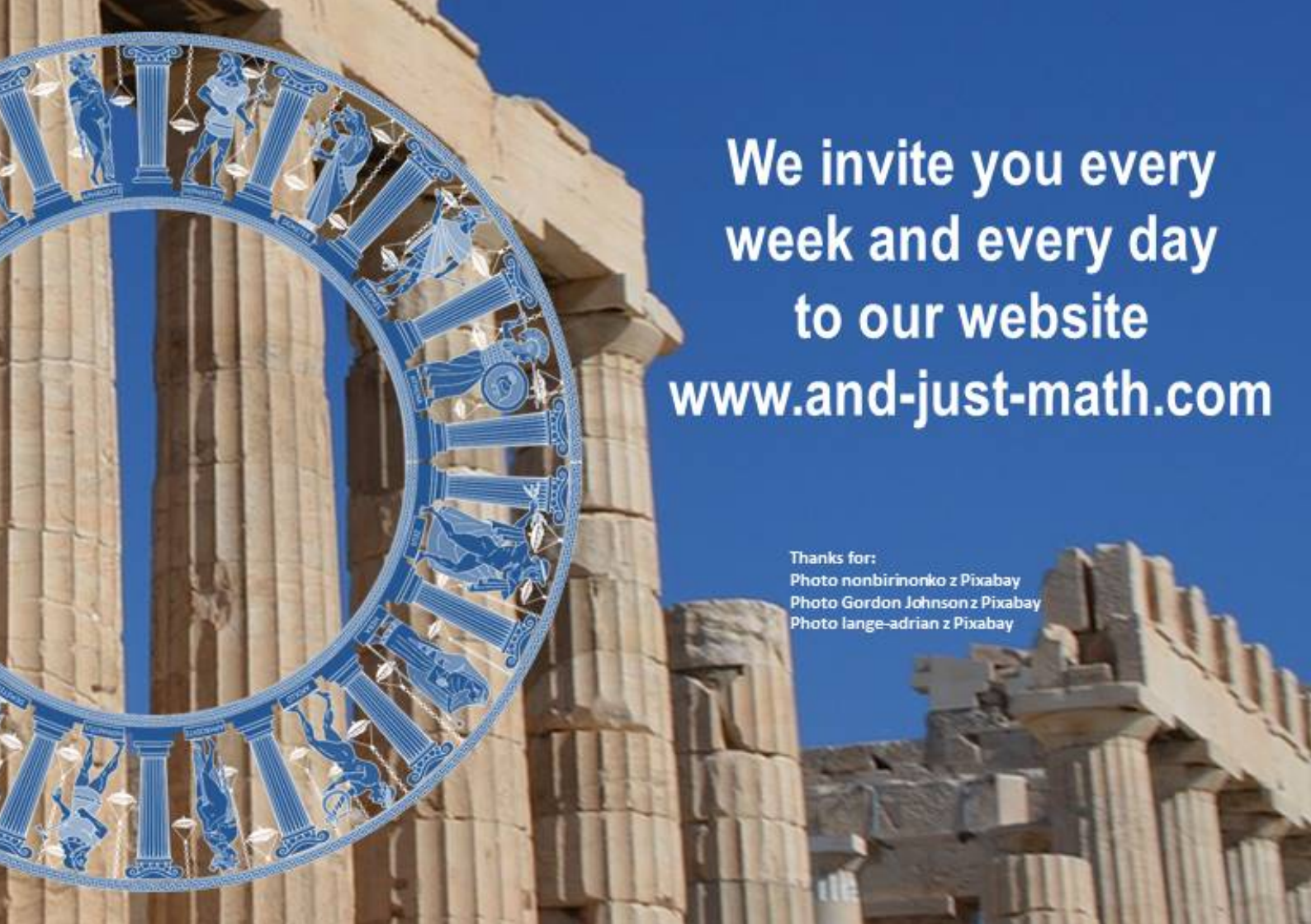
$$\sum_{k=1}^{k=\infty} \frac{1}{(625 - 16 \times k^2)} = \frac{25 \times \pi - 4}{5000} \qquad k \in N$$

## 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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Photo Gordon Johnson z Pixabay
Photo lange-adrian z Pixabay