

*In memory of Justynka, my wife*

# FORMULAS

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

FORMULA No.

**W27**

[www.and-just-math.com](http://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

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

FORMULA No.

**D271**

[www.and-just-math.com](http://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

$$\sum_{k=1}^{k=\infty} 3^{k-1} \times \sin^3 \left( \frac{\pi}{5 \times 3^{k-1}} \right) = \frac{12 \times \pi - 5 \times \sqrt{10 + 2 \times \sqrt{5}}}{80} \quad k \in N$$

**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.

**D272**

[www.and-just-math.com](http://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

$k \in \mathbb{N}$

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

**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.

**D273**

[www.and-just-math.com](http://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

$$\sum_{k=1}^{k=\infty} \frac{1}{36 \times k^2 - 24 \times k - 5} = \frac{1}{6} \quad k \in \mathbb{N}$$

**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.

**D274**

[www.and-just-math.com](http://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

$$\sum_{k=1}^{k=\infty} \frac{(k-3) \times 7^{k-1}}{(k+4)!} = \frac{1}{24} \quad k \in \mathbb{N}$$

**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.

**D275**

[www.and-just-math.com](http://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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{2^{k-1} \times [(2 \times k + 9)^{k+1} + 4 \times (2 \times k + 5)^{k-1} - 4 \times (2 \times k + 7)^k]}{[(2 \times k + 9)^{k+1} - 2 \times (2 \times k + 7)^k] \times [(2 \times k + 7)^k - 2 \times (2 \times k + 5)^{k-1}]} = \frac{1}{7}$$

**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.

**D276**

[www.and-just-math.com](http://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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{33 \times k^2 - 31 \times k - 1}{(11 \times k - 10) \times (11 \times k + 1) \times (22 \times k - 21) \times (22 \times k + 1)} = \frac{1}{242}$$

**NEW MATHEMATICAL FORMULA DAILY**

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D277**

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

[www.and-just-math.com](http://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

$$\prod_{k=1}^{k=\infty} \left( 1 - 4 \times \sin^2 \left( \frac{\pi}{6 \times 5^k} \right) + 3, 2 \times \sin^4 \left( \frac{\pi}{6 \times 5^k} \right) \right) = \frac{3}{\pi} \quad k \in \mathbb{N}$$

**NEW MATHEMATICAL FORMULA DAILY**





We invite you every  
week and every day  
to our website  
[www.and-just-math.com](http://www.and-just-math.com)

Thanks for:  
Photo nonbirinonko z Pixabay  
Photo Gordon Johnson z Pixabay  
Photo lange-adrian z Pixabay