*In memory of Justynka, my wife*

# FORMULAS

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

●●●

**FORMULA No.**

**W06**

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.

D061

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

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

## 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.

D062

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

$$\sum_{k=1}^{k=\infty} \frac{k^2 + 7 \times k + 7}{k \times (k+1) \times (k+7)!} = \frac{1}{5040} \qquad k \in N$$

## 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.

D063

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

$$k \in N$$

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

## 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.

D064

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{7^{k-1} + 6 \times k \times 7^{k-2} + 1}{k \times (k+1) \times (7^{k-2} + 1) \times (7^{k-1} + 1)} = \frac{7}{8}$$

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.

D065

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

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

## 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.

D066

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

$$\sum_{k=1}^{k=\infty} \frac{7 \times k^2 + 13 \times k + 7}{k \times (k+1) \times (k+1)! \times 7^k} = 1 \qquad k \in N$$

## 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.

D067

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{1}{32 \times k^2 - 8 \times \left(\sqrt{5}+1\right) \times k - 5 + \sqrt{5}} = \frac{3+\sqrt{5}}{16}$$

NEW MATHEMATICAL FORMULA DAILY

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

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