

In memory of Justynka, my wife

FORMULAS

FORMULA No.

W31

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



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

FORMULA No.

D311

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



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

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

p_k (k-th prime number)

NEW MATHEMATICAL FORMULA DAILY

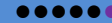
In memory of Justynka, my wife

FORMULAS

FORMULA No.

D312

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



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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{k \times (p_{k+9} \times p_{k+10} + p_{k+10} \times p_{k+11} - 2 \times p_{k+9} \times p_{k+11})}{p_{k+9} \times p_{k+10} \times p_{k+11}} = \frac{1}{29}$$

p_k (k -th prime number)

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.

D313

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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+1} - p_k) \times [p_k \times p_{k+1} + p_k^2 + p_{k+1}^2 + 3 \times (p_k + p_{k+1}) + 2]}{p_k \times (p_k + 1) \times (p_k + 2) \times p_{k+1} \times (p_{k+1} + 1) \times (p_{k+1} + 2)} = \frac{1}{24}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D314

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



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

$$\sum_{k=1}^{k=\infty} \frac{p_k \times p_{k+1} - (k+2) \times p_{k+1} + (k+1) \times p_k}{(k+1) \times (k+2) \times p_k \times p_{k+1}} = \frac{1}{4} \quad k \in N$$

p_k (k-th prime number)

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.

D315

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

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

$k \in \mathbb{N}$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D316

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



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

$k \in \mathbb{N}$

$$\sum_{k=1}^{k=\infty} \frac{[(k+1) \times (p_k! - 1) \times p_{k+1}! - 3 \times (p_{k+1}! - p_k!)] \times 3^k}{(k+4)! \times p_k! \times p_{k+1}!} = \frac{1}{16}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D317

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



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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{k \times [p_{k+8} \times p_{k+9} \times k^2 - (2 \times p_{k+7} - p_{k+8}) \times p_{k+9} \times k - (2 \times p_{k+9} - p_{k+8}) \times p_{k+7}]}{p_{k+7} \times p_{k+8} \times p_{k+9} \times (k+1)!} = \frac{1}{19}$$

p_k (k -th prime number)

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