

In memory of Justynka, my wife

FORMULAS

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



FORMULA No.

W51

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.

D511

'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

$$\sum_{k=1}^{k=\infty} \frac{3 \times p_{k+2}^5 - p_{k+1}^5}{3^k \times p_{k+1}^5 \times p_{k+2}^5} = \frac{1}{243} \quad k \in \mathbb{N}$$

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.

D512

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

$$\sum_{k=1}^{k=\infty} \frac{11^{k-1} \times [(k+2) \times p_{k+1}! - 11 \times p_k!]}{(k+2)! \times p_k! \times p_{k+1}!} = \frac{1}{4} \quad k \in N$$

p_k (k-th prime number)

NEW MATHEMATICAL FORMULA DAILY

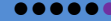
In memory of Justynka, my wife

FORMULAS

FORMULA No.

D513

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(6 \times p_k + 5) \times (p_{k+2} - p_{k+1}) \times p_{k+3} - 5 \times (p_{k+3} - p_{k+2}) \times p_k}{p_k \times p_{k+1} \times p_{k+2} \times p_{k+3}} = 2 \frac{1}{3}$$

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.

D514

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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+2} - p_{k+1}) \times k + 3 \times (p_{k+2} - p_k) \times p_{k+1} + p_{k+2}}{p_{k+1} \times p_{k+2} \times (3 \times p_k + k) \times (3 \times p_{k+1} + k + 1)} = \frac{1}{21}$$

p_k (k -th prime number)

NEW MATHEMATICAL FORMULA DAILY

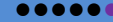
In memory of Justynka, my wife

FORMULAS

FORMULA No.

D515

'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

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

p_k (k-th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D516

'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

$k \in N$

$$\sum_{k=1}^{k=\infty} \frac{(7 \times p_k + 3) \times p_{k+1} \times k + 14 \times p_k \times p_{k+1} + 6 \times p_{k+1} - 3 \times p_k}{p_k \times p_{k+1} \times (k + 2)!} = 7 \times e - 13 \frac{1}{4}$$

p_k (*k*-th prime number)

NEW MATHEMATICAL FORMULA DAILY

In memory of Justynka, my wife

FORMULAS

FORMULA No.

D517

'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

$$\sum_{k=1}^{k=\infty} \frac{[(k+1) \times (p_k^2 + 1) \times p_{k+1}^2 - 3 \times p_k^2] \times 3^k}{p_k^2 \times p_{k+1}^2 \times (k+1)!} = e^3 - \frac{1}{4} \quad k \in N$$

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