In memory of Justynka, my wife

FORMULAS

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

FORMULA No.

W23

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.

D231

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{[(4 \times {p_k}^2 + 3 \times {p_{k+2}}^2) \times {p_{k+1}}^2 - 7 \times {p_k}^2 \times {p_{k+2}}^2] \times 2^{2 \times k}}{{p_k}^2 \times {p_{k+1}}^2 \times {p_{k+2}}^2 \times 3^{k-2}} = 5$$

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.

D232

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(p_{k+1} - p_k) \times [p_k \times p_{k+1} + {p_k}^2 + {p_{k+1}}^2 + 9 \times (p_k + p_{k+1}) + 8]}{p_k \times (p_k + 1) \times (p_k + 8) \times p_{k+1} \times (p_{k+1} + 1) \times (p_{k+1} + 8)} = \frac{1}{60}$$

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.

D233

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{p_k \times p_{k+1} - (k-9) \times p_{k+1} + (k+12) \times p_k + 110}{(k+1) \times (k+2) \times (p_k + 11) \times (p_{k+1} + 11)} = \frac{6}{13}$$

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.

D234

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{4 \times (k+5) \times (k+6) \times (k+7) \times {p_k}^2 \times {p_{k+1}}^2 + (k^2+k-2) \times (k+2) \times (k+7) \times {p_{k+1}}^2 - k^2 \times (k+3) \times (k+5) \times {p_k}^2}{k \times (k+1) \times (k+2) \times (k+5) \times (k+6) \times (k+7) \times {p_k}^2 \times {p_{k+1}}^2} = 1$$

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.

D235

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

$$k \in N$$

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

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.

D236

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

$$k \in N$$

$$\sum_{k=1}^{k=\infty} \frac{(k+1) \times [p_{k+1} \times p_{k+2} - 2 \times p_{k+1} \times p_{k+3} + p_{k+2} \times p_{k+3} + 9 \times (2 \times p_{k+2} - p_{k+1} - p_{k+3})]}{(p_{k+1} + 9) \times (p_{k+2} + 9) \times (p_{k+3} + 9)} = \frac{2}{21}$$

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.

D237

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

$$k \in N$$

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

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