

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

**D464**

'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

$k \in \mathbb{N}$

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

$p_k$  ( $k$ -th prime number)

**NEW MATHEMATICAL FORMULA DAILY**