

*In memory of Justynka, my wife*

# FORMULAS

FORMULA No.

D473

'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

$k \in \mathbb{N}$

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

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

NEW MATHEMATICAL FORMULA DAILY