FORMULAS

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

FORMULA No.

W21

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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

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D211

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{k! + 1}{(k+2)! + 1} = \frac{6}{[(k+1)! + 1] \times [(k+2)! + 1]}$$

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D212

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{3 \times k^2 + 7 \times k + 4}{3 \times k^2 + k} = \frac{3 \times n^2 + 7 \times n + 4}{4}$$

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{3 \times k + 4}{3 \times k^2 + 7 \times k + 2} = \frac{3 \times n + 4}{2 \times (n + 2)!}$$

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D214

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{(k+2)^3}{k \times (k+1)^2} = \frac{(n+1) \times (n+2)^3}{8}$$

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D215

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{2 \times k + 3}{2 \times k + 1} = \frac{2}{3} \times n + 1$$

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D216

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{(k+2) \times k^2}{(k+1)^3} = \frac{n+2}{2 \times (n+1)^2}$$

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D217

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$$k, n \in N$$

$$\prod_{k=1}^{k=n} \frac{3 \times k^2 + 9 \times k + 7}{3 \times k^2 + 3 \times k + 1} = \frac{3 \times n^2 + 9 \times n + 7}{7}$$

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We invite you every week and every day to our website www.and-just-math.com

Thanks for:
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