

Sorok – Számsorok – Összege – Geometriai

$$1. \sum_{n=0}^{\infty} \left(\frac{2}{5}\right)^n, \sum_{n=0}^{\infty} (-1)^n \frac{2^n}{5^n}, \sum_{n=0}^{\infty} \left(\frac{5}{2}\right)^n.$$

$$2. \sum_{n=0}^{\infty} \frac{3}{4^n}, \sum_{n=0}^{\infty} \frac{3}{4^{n+1}}, \sum_{n=0}^{\infty} \frac{3}{4^{2n-1}}.$$

$$3. \sum_{n=1}^{\infty} \frac{e^n}{3^{n+2}}.$$

$$4. \sum_{n=3}^{\infty} \frac{2^{2n-3}}{3^{n+1}}.$$

$$5. \sum_{n=1}^{\infty} \frac{2^{n-1}}{4^{2n}} - \sum_{n=2}^{\infty} \frac{5^{n+3}}{3^{2n-1}}.$$

$$6. \sum_{n=2}^{\infty} \frac{3^{2n+1} - (-5)^{n-1}}{4^{2n+1}}.$$

$$7. \sum_{n=1}^{\infty} \frac{2^{3n-1} + 4^{2n+1}}{3^{2n-3}}.$$