

Aritmetično zaporedje

$$a_{n+1} - a_n = d$$

$$a_2 = \frac{a_1 + a_3}{2}$$

$$a_n = a_1 + (n - 1)d$$

$$a_n = a_m + (n - m)d$$

$$s_n = \frac{n}{2}(a_1 + a_n)$$

Geometrijsko zaporedje

$$\frac{a_{n+1}}{a_n} = q$$

$$a_2^2 = a_1 \cdot a_3$$

$$a_n = a_1 \cdot q^{n-1}$$

$$a_n = a_m \cdot q^{n-m}$$

$$s_n = \frac{a_1(q^n - 1)}{q - 1}$$

$$|q| < 1 \Rightarrow S = \lim_{n \rightarrow \infty} s_n = \frac{a_1}{1 - q}$$