

$$\frac{n \cdot (n + 1)}{2}$$

$$\frac{n \cdot (n + 1) \cdot (2n + 1)}{6}$$

$$1 + a + a^2 + a^3 + \dots + a^n$$

$$\frac{a^{n+1} - 1}{a - 1}$$

$$1 + \frac{1}{2^3} + \frac{1}{3^3} + \frac{1}{4^3} + \dots + \frac{1}{n^3}$$

$$S_{N+1} = a \cdot (N + 1) + d \cdot \frac{N \cdot (N + 1)}{2}$$

$$S_{N+1} = b \cdot \frac{q^{N+1} - 1}{q - 1}$$