

# Geometric Sequence

---

- 1) Find the number of terms in the geometric series  $-3, 24, -192 \dots 6291456$ .

---

- 2) If the fourth term of a geometric sequence is  $-320$  and the common ratio is  $-4$ , what is the  $10^{\text{th}}$  term?

---

- 3) The third term of a geometric sequence is  $-3$ , and the common ratio is  $-3$ . Find the product of its first 5 terms.

---

- 4) Find the first term of the geometric sequence whose  $4^{\text{th}}$  term is  $-\frac{40}{3}$  and whose common ratio is  $-3$ .

---

- 5) The  $5^{\text{th}}$  term is  $0.05$  and the common ratio  $r = 0.5$ . Find the  $9^{\text{th}}$  term.

---