

# Geometric Patterns

**Geometric patterns have common ratios.**

**Example: 7, 21, 63 .....**

**What do we have to multiply by 7 to get 21?--  $7(x) = 21$  --- 3--- common ratio.**

**How can we find the 8th term?**

- 1. Take your calculator put in 3 (the common ratio) and multiply it by the 7 = 21. It is important that you put the ratio in the calculator first.**
- 2. You now have gone 2 places in the pattern. Now push the = sign on the calculator 6 more times. This will take you to the 8th term of the pattern . The calculator should read 15309. This is the 8th term in our example pattern.**