

**Task:** Use logic reasoning to make a conjecture about the next number in the pattern:

1, 8, 27, 64.....

**Solution:**

It's easy to see, that:

$$1=1\times1\times1,$$

$$8=2\times2\times2,$$

$$27=3\times3\times3,$$

$$64=4\times4\times4,$$

...

If we continue this pattern, we'll get:

$$5\times5\times5=125$$

**Answer:** 125.