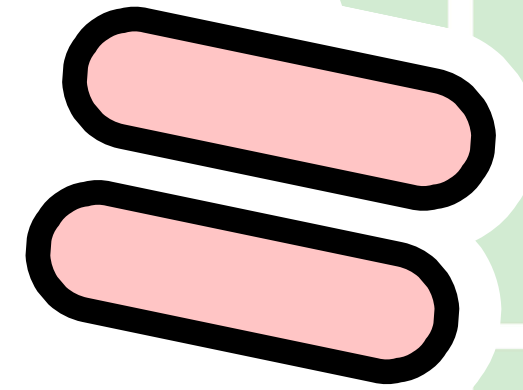




**Prime
Factorization**



The prime factorization of a number is all the prime numbers that multiply together to make that number.

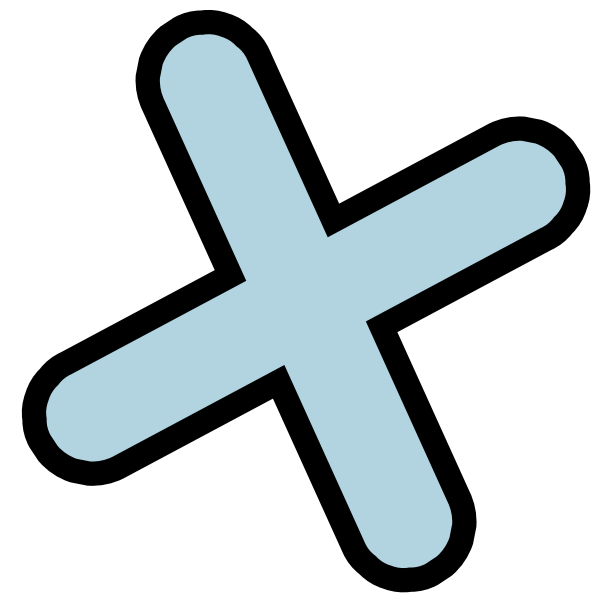


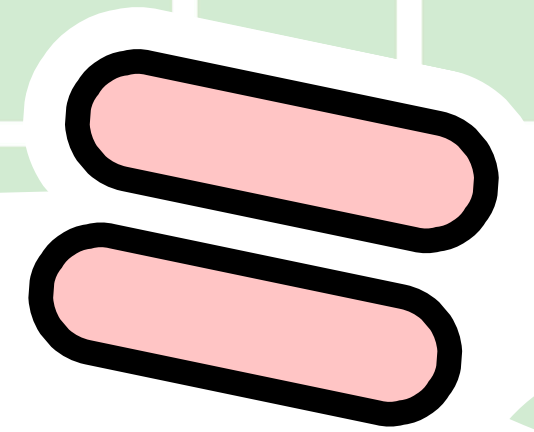
**For example, let's look at the
prime factorization of 49.**

**The only prime numbers that
multiply together to make 49 are
7 and 7**

**We write the prime
factorization as a
multiplication sentence.**

$$7 \times 7 = 49$$



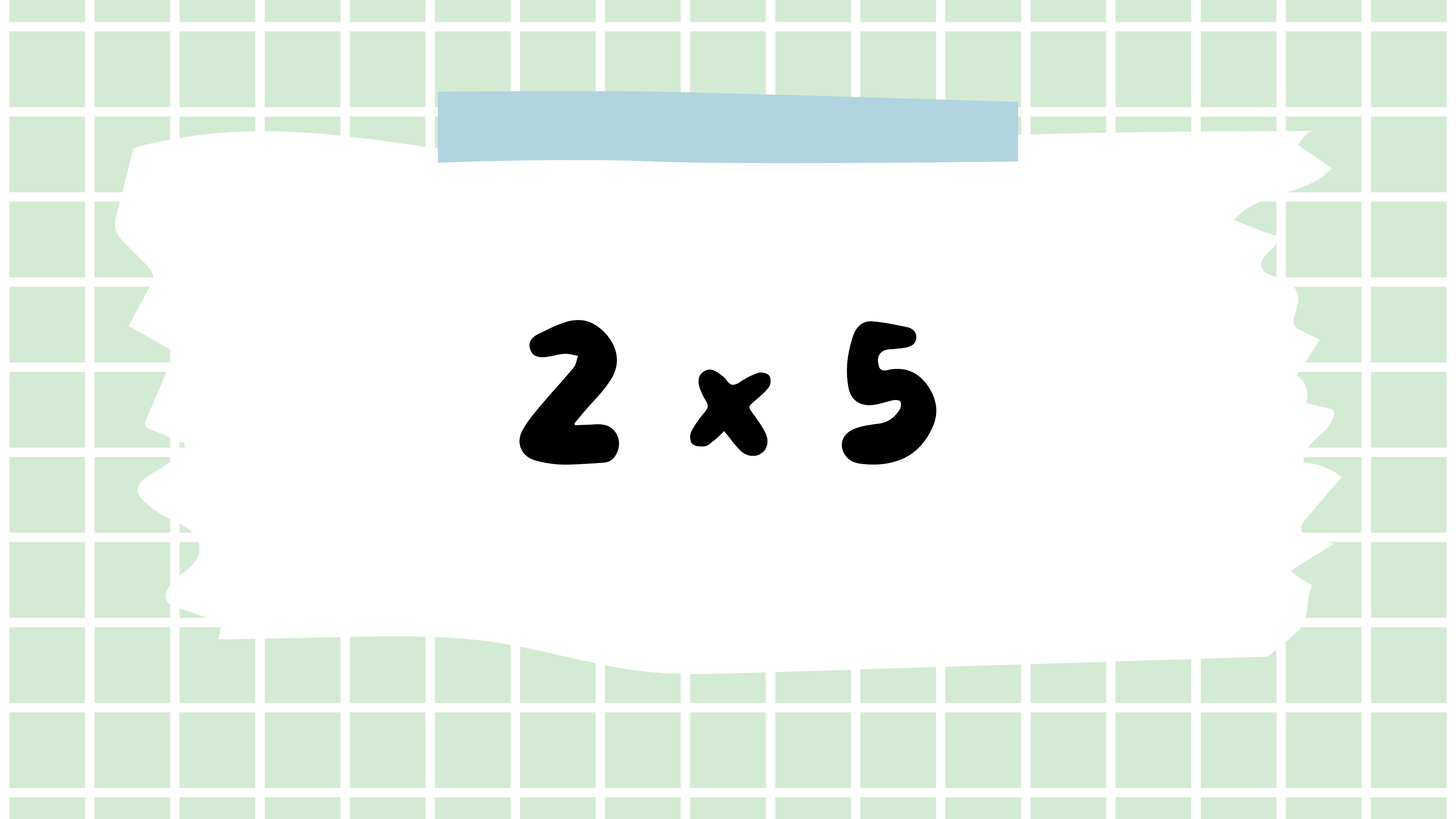


Let's Practice!



**What is the prime
factorization of
the number 10?**

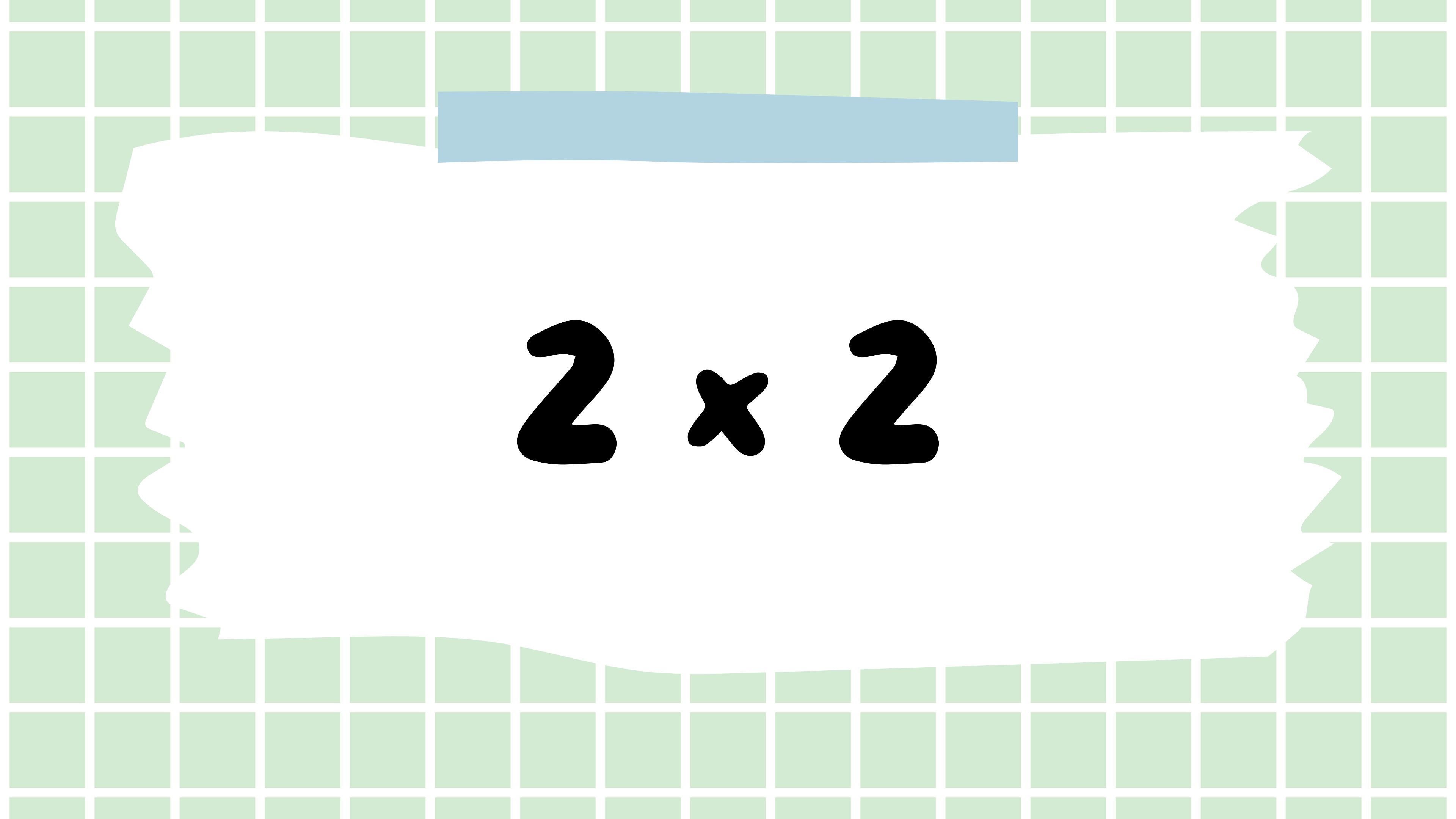




2×5



**What is the prime
factorization of
the number 4?**



2 x 2