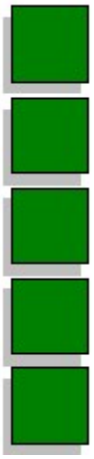
Prime and Composite Numbers

Show all the ways 5 tiles can be arranged in an array.

1

5

1 × 5 = 5



5

You can show two arrays. So, the number 5 has two factors: 1 and 5.

1

If a number has exactly 2 factors, 1 and the number itself, it is a prime number.

So, 5 is a prime number

Prime number: An integer greater than 1 whose only positive divisors are itself and 1.

2=1×2

3=1×3

5=1×5

7=1×7

11=1×11

2, 3, 4, 5, 7, 11 … are all prime numbers.

Composite number: An integer greater than 1 that is not prime.

4=1×4=2×2, it is a composite number.

Examples:

A- Write *prime* or *composite*.

1) 14

Composite

2) 47

Prime

3) 63

Composite

4) 71

Prime

5) 121

Composite