

Name: _____ #: _____ Date: _____

Extra Practice: Prime or Composite? 1-100

Prime Number - a number that only has two factors, 1 and itself.

example: 7 is a prime number because it's only factors are 1 and 7.

Composite Number - a number that has more than two factors.

example: 12 is a composite number because it has more than two factors.

It's factors are 1, 2, 3, 4, 6, and 12.

21

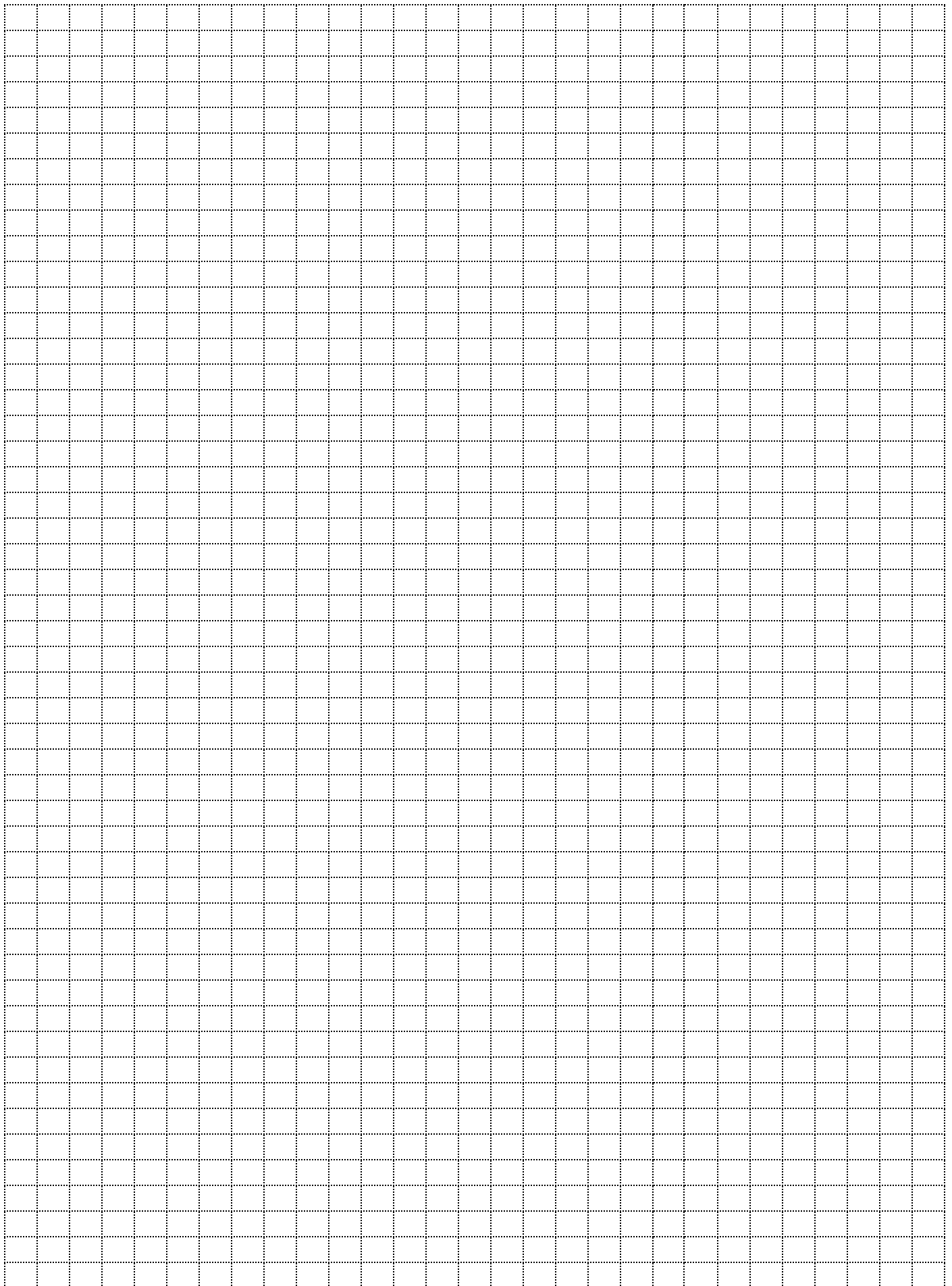
Draw all the possible arrays for 21. Label the dimensions.

(use grid paper →)

List all the factors of 21.

Select the correct words to complete the sentence:

The number 21 is _____ because it has _____ two factors.
(prime / composite) (only / more than)



31

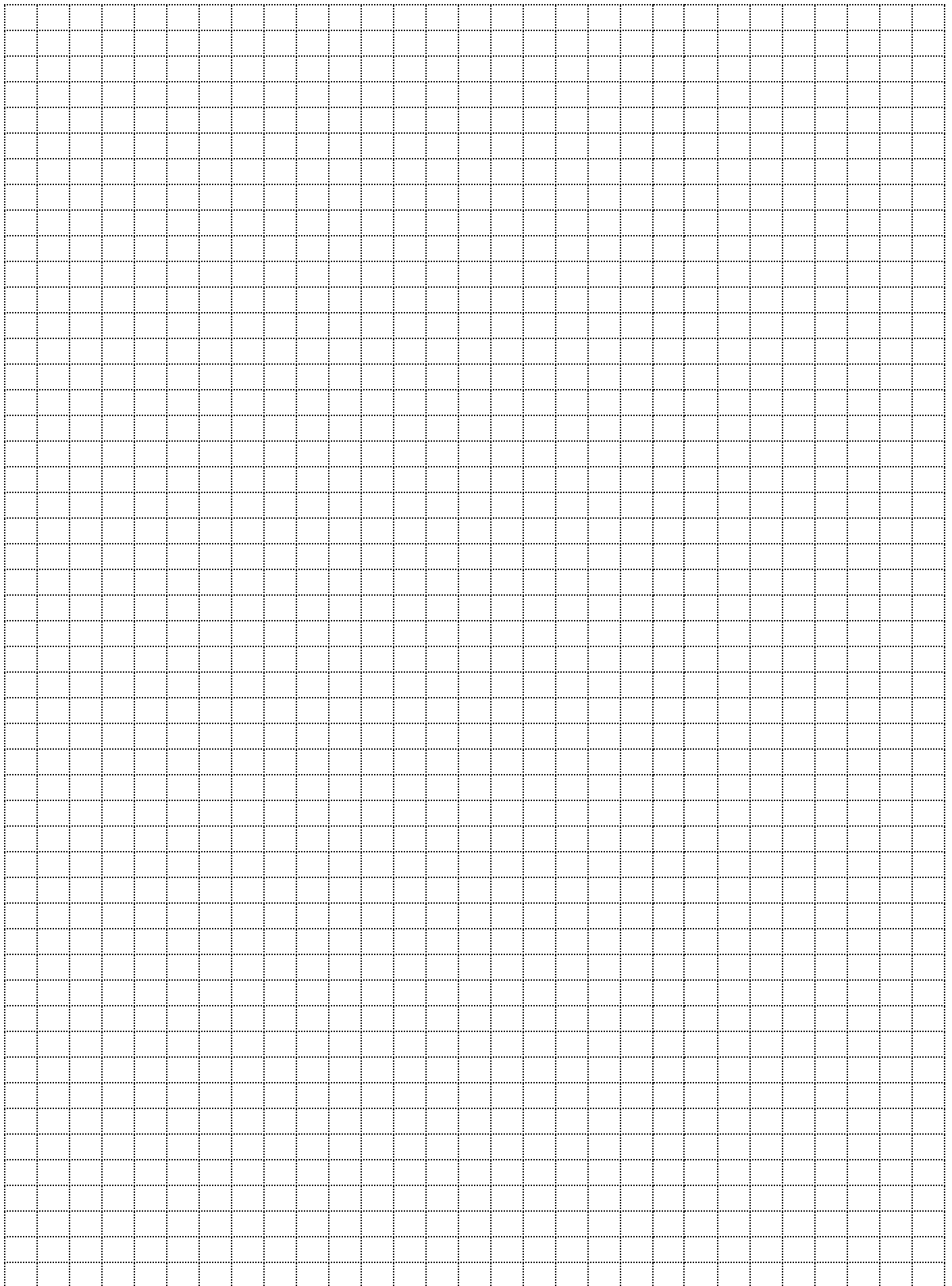
Draw all the possible arrays for 31. Label the dimensions.

(use grid paper →)

List all the factors of 31.

Select the correct words to complete the sentence:

The number 31 is _____ because it has _____ two factors.
(prime / composite) (only / more than)



25

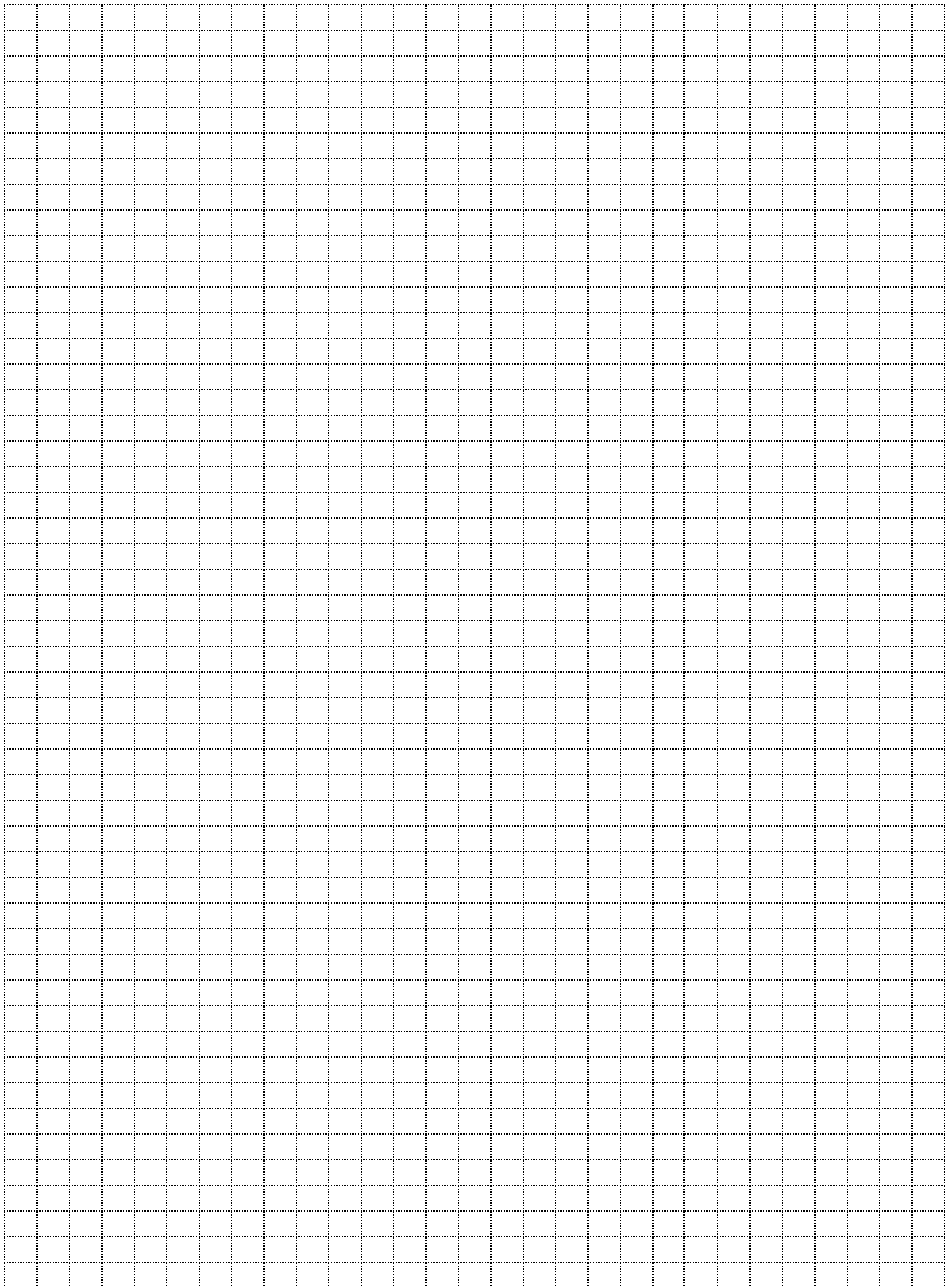
Draw all the possible arrays for 25. Label the dimensions.

(use grid paper →)

List all the factors of 25.

Select the correct words to complete the sentence:

The number 25 is _____ because it has _____ two factors.
(prime / composite) (only / more than)



48

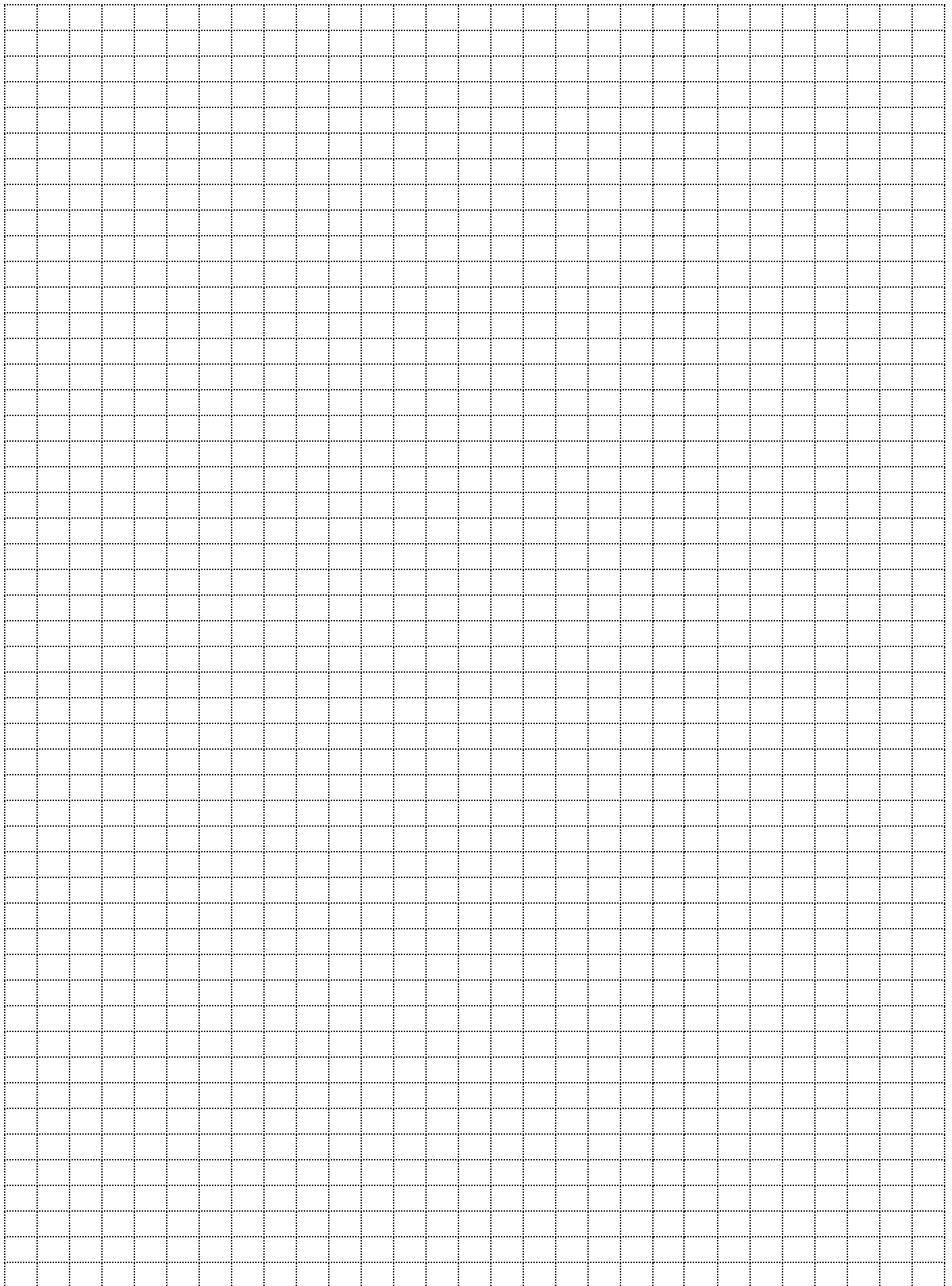
Draw all the possible arrays for 48. Label the dimensions.

(use grid paper →)

List all the factors of 48.

Select the correct words to complete the sentence:

The number 48 is _____ because it has _____ two factors.
(prime / composite) (only / more than)



49

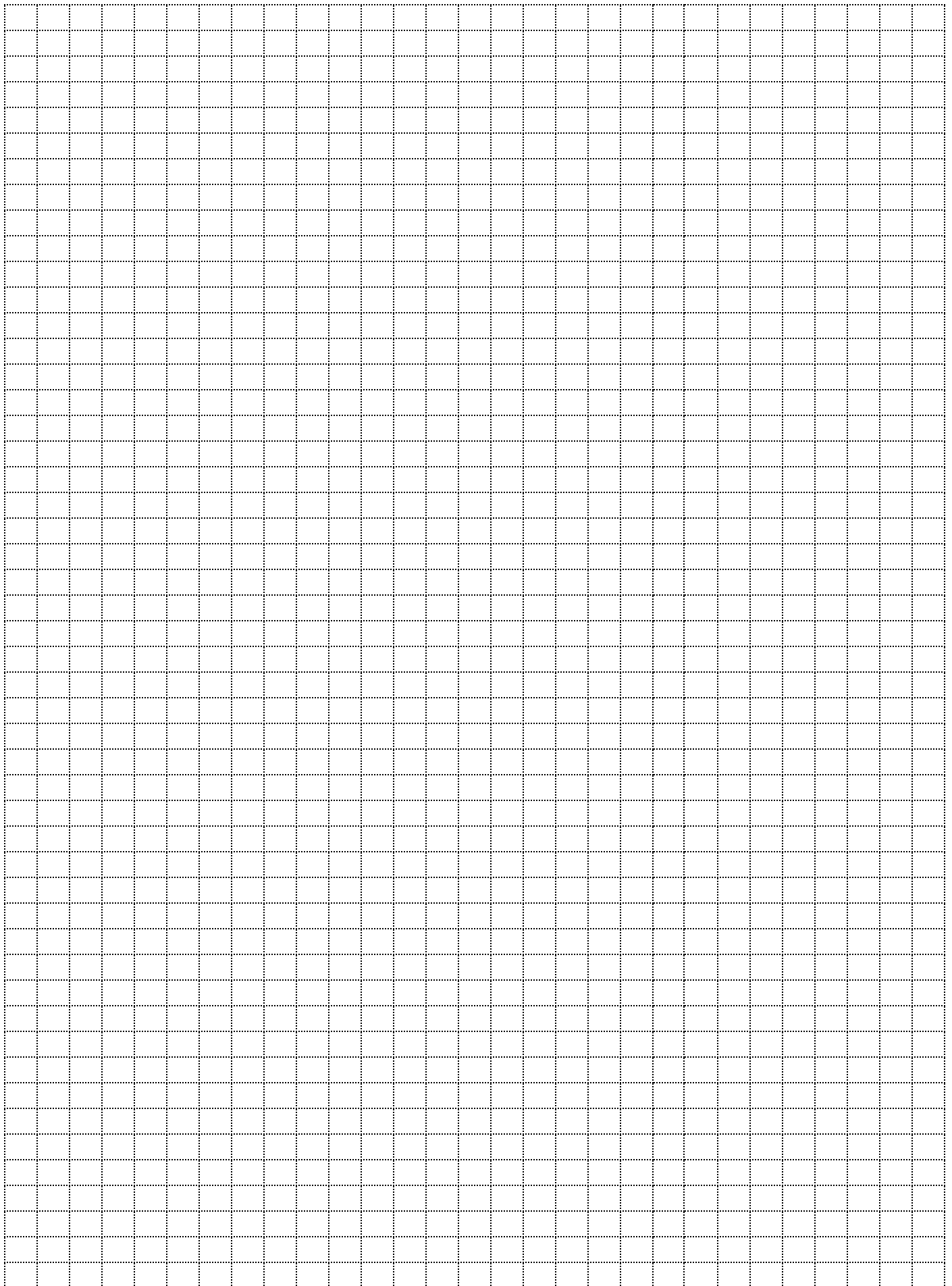
Draw all the possible arrays for 49. Label the dimensions.

(use grid paper →)

List all the factors of 49.

Select the correct words to complete the sentence:

The number 49 is _____ because it has _____ two factors.
(prime / composite) (only / more than)



95

95 is a **COMPOSITE** number because it has more than two factors. How could you figure out that 95 is a composite number **without** finding all of its factors? Explain your thinking below.

Extend Your Thinking:

Are all even numbers composite? Why or why not? Use an example to explain your thinking.

Are all odd numbers prime? Why or why not? Use an example to explain your thinking.