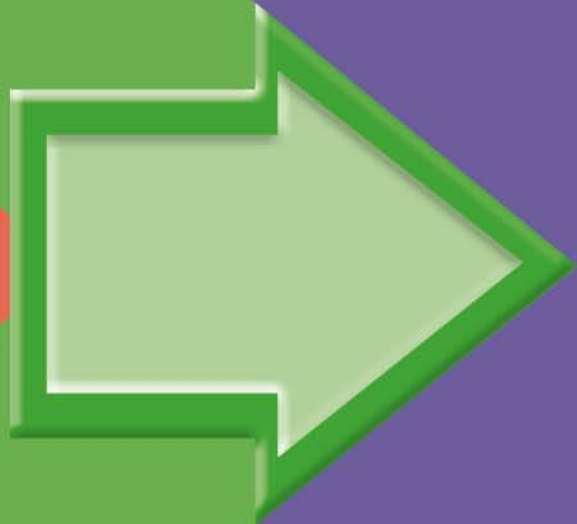
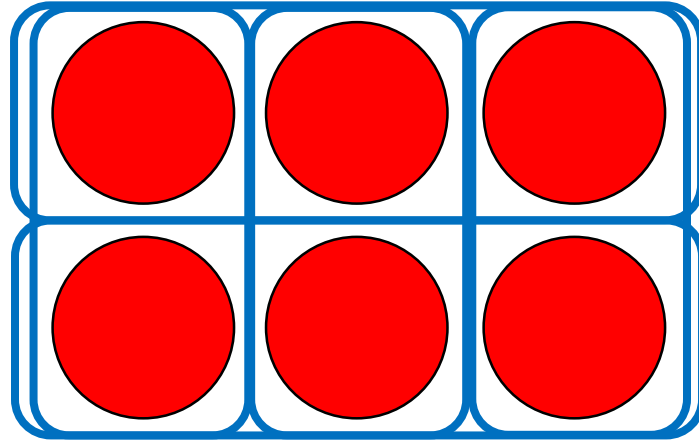


FACTOR PAIRS



What is a factor?



2 rows of 3 are equal to 6

$$2 \times 3 = 6$$

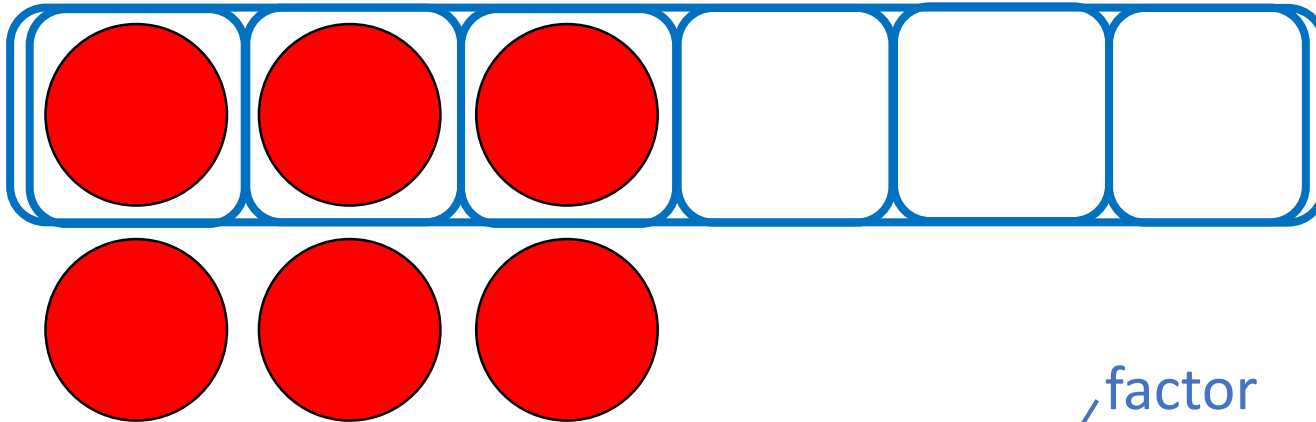
factor factor product

3 columns of 2 are equal to 6

$$3 \times 2 = 6$$

2 and 3 are factors of 6

Are there any other factors of 6?



1 row of 6 is equal to 6

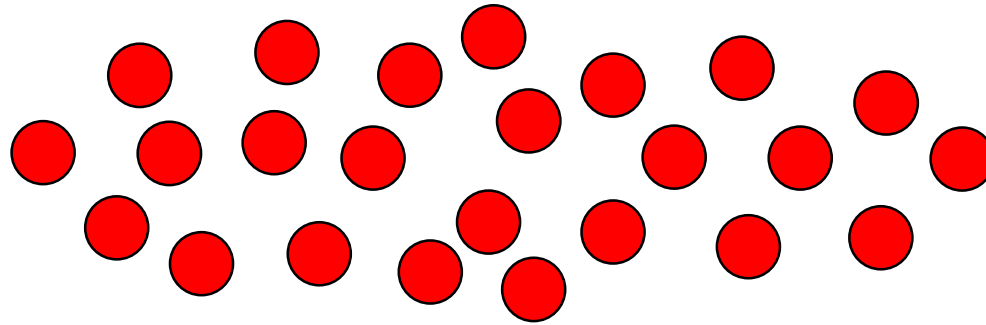
$$1 \times 6 = 6$$

factor (pointing to 1)
factor (pointing to 6)
product (pointing to 6)

6 columns of 1 are equal to 6 $6 \times 1 = 6$

1 and 6 are factors of 6

The factors of 6 are: 1, 2, 3 and 6

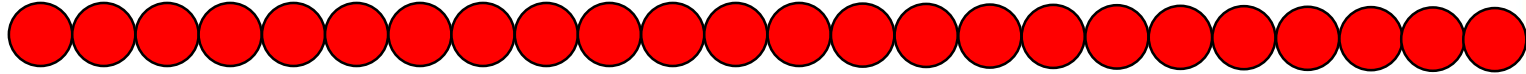


Using counters, make arrays to
find all the factors of 24

$$1 \times 24 = 24$$

factor (pointing to 1)
factor (pointing to 24)
product (pointing to 24)

1 and 24



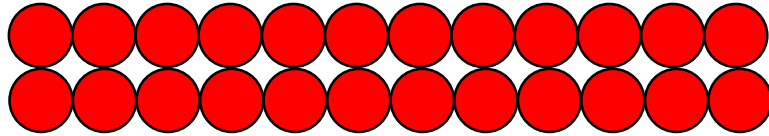
Using counters, make arrays to
find all the factors of 24

$$2 \times 12 = 24$$

Diagram illustrating the equation $2 \times 12 = 24$ with labels:

- Arrows point from the word "factor" to the numbers 2 and 12.
- An arrow points from the word "product" to the number 24.

1 and 24
2 and 12



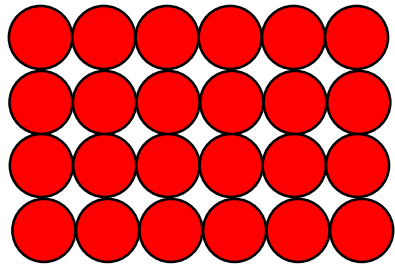
Using counters, make arrays to
find all the factors of 24

$$1 \times 24 = 24$$

Diagram illustrating the equation $1 \times 24 = 24$ with labels:

- The number 1 is labeled "factor" (with an arrow pointing to it).
- The number 24 (on the left) is labeled "factor" (with an arrow pointing to it).
- The number 24 (on the right) is labeled "product" (with an arrow pointing to it).

1 and 24
2 and 12
3 and 8
4 and 6



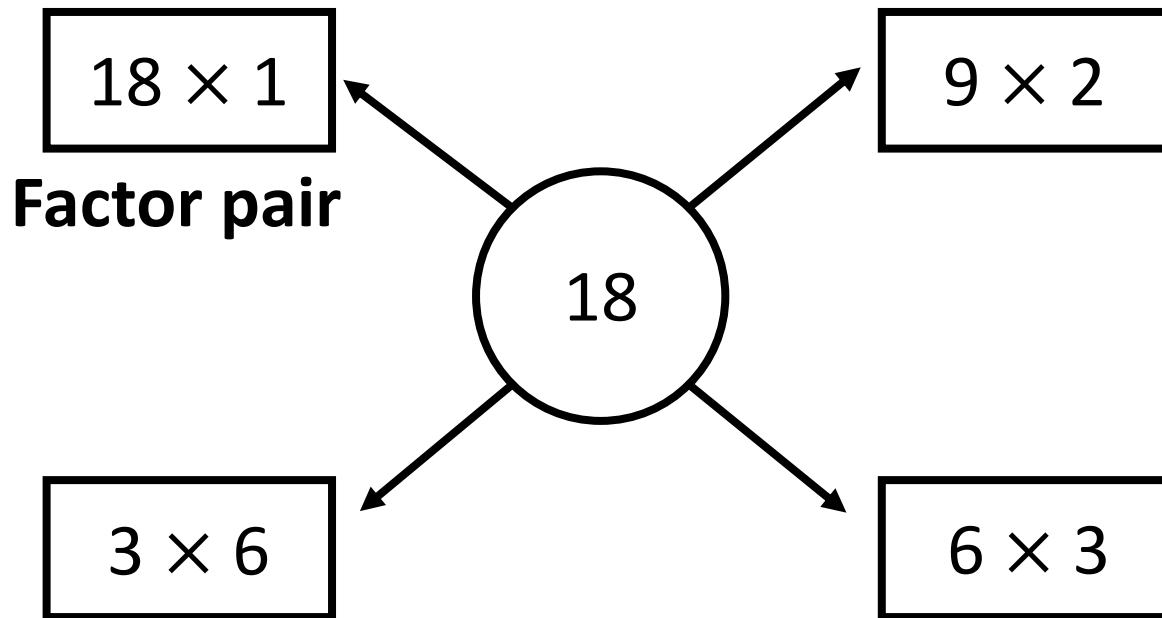
Using counters, make arrays to
find all the factors of 24

$$1 \times 24 = 24$$

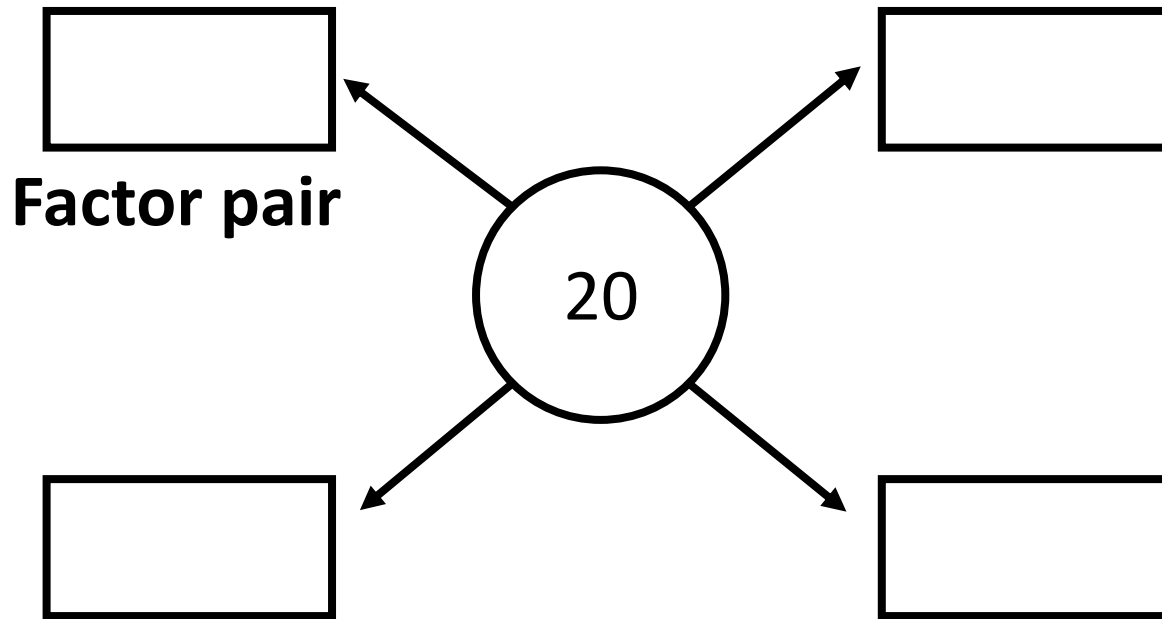
Diagram illustrating the equation $1 \times 24 = 24$ with labels:

- 1: factor
- 24: factor
- = 24: product

1 and 24
2 and 12
3 and 8
4 and 6



The factors of 18 are: 1, 2, 3, 6, 9 and 18



How many factor pairs can you find for 20?
Use your times tables to help you!

List the factors of these numbers:

5

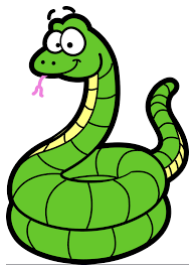
2

17

29

What do you
notice?





All of these numbers have an even number of factors.

5

1 and 5

6

1 and 6

2 and 3

2

1 and 2

24

1 and 24

2 and 12

3 and 8

4 and 6

17

1 and 17

18

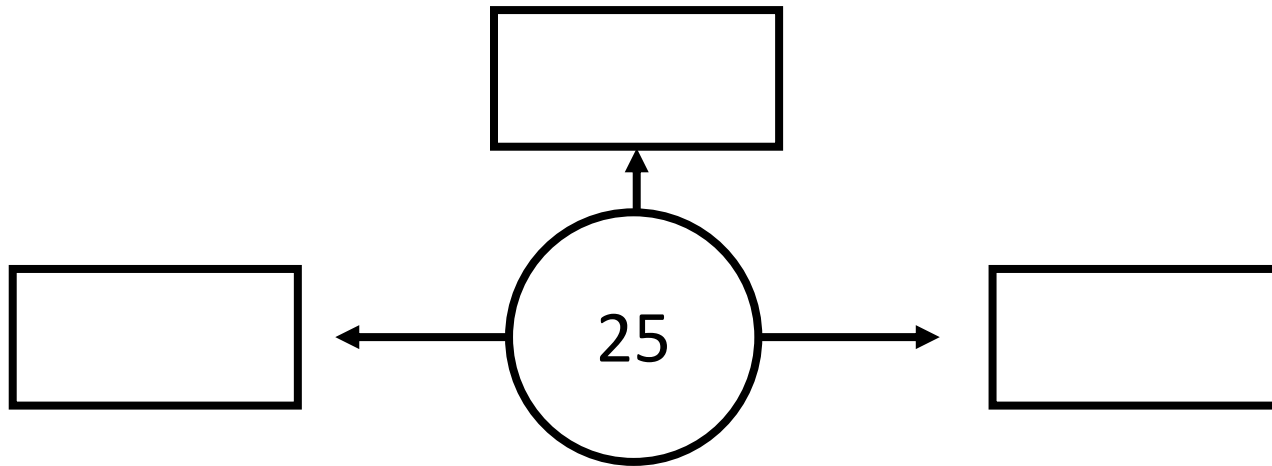
1 and 18

2 and 9

3 and 6

29

1 and 29



The factors of 25 are: _____

What other numbers can you find
with an odd number of factors?