

# Factors

What are factors??

# Factors

What are the factors of 10?

Can you find a pair of numbers that multiply together to give 10?

$$5 \times 2 = 10$$

So 5 and 2 are factors of 10.

Is there another pair of numbers that multiply together to give 10?

$$1 \times 10 = 10$$

So 1 and 10 are also factors of 10.

**Factors of 10 = 1, 10, 2, 5**

# Factors

A pair of numbers that multiply together to give the target number.

What are the factors of 8

$$4 \times 2 = 8$$

$$1 \times 8 = 8$$

Factors of 8 = 1, 8, 2, 4

# Factors

A pair of numbers that multiply together to give the target number.

What are the factors of 20

$$4 \times 5 = 20$$

$$2 \times 10 = 20$$

$$1 \times 20 = 20$$

Factors of 20 = 1,20,2,10,4,5

# Factors

A pair of numbers that multiply together to give the target number.

What are the factors of 7

$$1 \times 7 = 7$$

Factors of 7 = 1,7

A number with factors of 1 and itself is called a

PRIME NUMBER

# Factors

Can you think of any other  
PRIME NUMBERS

[The First 1000 Primes](#)

# Factors

Can you find the other half of the pairs that multiply together to make 36

$$2 \times ? = 36$$

$$? \times 36 = 36$$

$$6 \times ? = 36$$

$$3 \times ? = 36$$

$$4 \times ? = 36$$

Can you spot the odd pair?

# Factors

Factors of 36 = 1,36,2,18,3,12,6,9,4

The odd pair was

$$6 \times 6 = 36$$

This pair has identical numbers.

This means that

36

is special and is called a

**SQUARE NUMBER**



