

A prime number is a number with only two factors- itself and one. The aim is for children to recall the prime numbers to 20 instantly.

Year 5- Autumn 2

What can this look like?

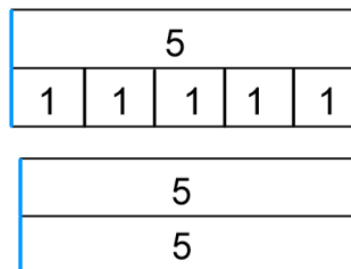
Concrete:

5 is a prime number



Pictorial:

5 is a prime number



Abstract:

Prime numbers to 20

2 3 5 7
11 13 17 19

Questions to ask at home

What is a **prime** number?
What is a **composite** number?
What are the prime numbers to 20?

Key vocabulary

Composite number- A whole number that can be made by multiplying other whole numbers (has more than 2 factors).

Factor- A number that multiplies with another to make a product.

Multiple -The result of multiplying a number by an integer.

Prime number - A whole number with only two factors, one and the number itself.

Activity ideas

Penta primes

Here are ten cards numbered 0 to 9:



Using all ten cards, rearrange them to make five prime numbers.

Can you find a way of doing it with five two-digit numbers?

How about using one one-digit number, one three-digit number and three two-digit numbers? ...

Websites:

<https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/z2q26fr>

https://www.transum.org/Maths/Game/Prime_Pairs/

<https://www.primarygames.com/math/matheggsp/prime/>

<https://whiterosemaths.com/homelearning/year-5/week-8-number-multiplication-division/>