KIRF: I can identify prime numbers up to 20

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.

What can this look like?

Concrete:

5 is a prime number

Pictorial:

5 is a prime number

5				
1	1	1	1	1

5
5

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.

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.

Things to try

Penta primes

Here are ten cards numbered 0 to 9:

0 1 2 3 4 5 6 7 8 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/matheggsprime/