

# 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.

## Concrete:

5 is a prime number



## What can this look like?

### 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:



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.transum.org/Maths/Game/Prime_Pairs/)

<https://www.primarygames.com/math/matheggsprime/>

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