



## Key Instant Recall Facts Year 5 and 6- Spring 2

KIRFS stand for Key Instant Recall Facts

By the end of this half term children should know the following facts. The aim is for them to recall these facts instantly.

### Year 5

Identify prime numbers up to 20

A prime number is a number with no factors other than itself and one. The following numbers are prime numbers:

**2, 3, 5, 7, 11, 13, 17, 19**

A composite number is divisible by a number other than 1 or itself. The following numbers are composite numbers:

**4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20**

Children should be able to explain how they know that a number is composite. E.g. 15 is composite because it is a multiple of 3 and 5.

### Year 6

Identify prime numbers up to 50.

A prime number is a number with no factors other than one and itself. The following numbers are prime numbers:

**2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43 and 47**

A composite number is divisible by a number other than one and itself. The following numbers are composite numbers:

**4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 22, 24, 25, 26, 27, 28, 30, 32, 34, 35, 36, 38, 40, 42, 44, 45, 46, 48, 49 and 50**

Children should be able to explain how they know that a number is composite. E.g. 39 is a composite because it is a multiple of 3 and 13.

#### Key vocabulary:

Prime number

Composite number

Factor

multiple

#### Top tips on how to help at home:

The secret to success is practicing little and often. It is very important that your child uses mathematical vocabulary accurately. If you would like more ideas, please speak to your child's teacher.

- Choose a number between 2 and 20. How many correct statements can your child make about this number using the vocabulary above?
- Make a set of cards for the numbers from 2 to 20. How quickly can your child sort these into prime and composite numbers? How many even prime numbers can they find? How many odd composite numbers?

- Choose a number between 2 and 50. How many correct statements can your child make about this number using the key vocabulary above.
- Make a set of cards for the numbers from 2 to 50. How quickly can your child sort these into prime and composite numbers? How many even prime numbers can they find? How many odd composite numbers can they find?

<https://www.mathnook.com/math/skill/primecompositegames.php>

<https://www.transum.org/Maths/Game/Primes/Pick.asp>

<https://www.topmarks.co.uk/Search.aspx?q=prime%20numbers>

