



Autumn 2

Learning Focus: Know the prime numbers up to 30.

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

Representations

The prime numbers to 30 are shaded in blue

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

Key Vocabulary

- Factor
- Prime number
- Composite number

Numbers that divide exactly into another number are called factors. (e.g. for 4, this would be 1, 2 and 4).

A number with no factors other than itself and one.

A number that is divisible by a number other than 1 or itself.

Getting Started

The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Suggested Activities

- Make a set of number cards from 1-30. How quickly can you sort them into 2 piles - prime numbers and composite numbers?
- **Play prime popcorn** - call out numbers to 30, if it's prime, your child can pop up, but if it's a composite number, they should remain seated.

Useful Websites

- [BBC: Prime Number Quizzes](#)
- [Video: Introduction to Prime Numbers](#)
- [Factor Trees](#)
- [Game: Pick the Primes](#)
- [Game: Number Ninja Factors](#)

