



Year 5, Term 4

Target: know the prime numbers within 100

By the end of this half term, children should know and be able to recall the following facts instantly:

Key vocabulary

prime

composite – numbers that have two or more factors.

factors – numbers that divide into another number, leaving no remainders

Examples

Key questions

What are the factors of ... ?

Is ... a prime number? Why?

Which of these numbers are prime and which are composite? How do you know?

Prime Numbers

A prime number is a number that has no factors except 1 and itself.

1 is not a prime number

No prime number greater than 5 ends in a 5. Any number greater than 5 that ends in a 5 can be divided by 5.

Prime Numbers

2, 3, 5, 7, 11,
13, 17, 19, 23,
29, 31, 37, 41,
43, 47, 53, 59,
61, 67, 71, 73,
79, 83, 89, 97,
101, 103, 107,
109, 113, 127

Except for 0 and 1, a number is either a prime number or a composite number. A **composite number** is defined as any number, greater than 1, that is not prime.

2 is the only prime number that is an even number

Top Tips

Remember to practise little and often to help keep the facts fresh. Start with ones you find easiest first, then once you have consolidated, move onto new facts.

Useful websites

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

https://www.abcya.com/games/number_ninja_factors

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

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