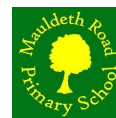


Key Instant Recall Facts

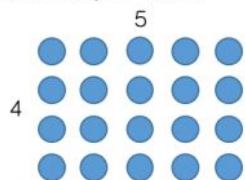
Autumn Term 2 Year 5



To know factor pairs to 144

Children learn that factors of a number multiply together to give that number. Factors are the whole numbers that you multiply together to get another whole number (factor \times factor = product)

If you have twenty counters, how many different ways of arranging them can you find?



How many factors of twenty have you found by arranging your counters in different arrays?

To know all prime numbers up to 20

Using their knowledge of factors, children see that some numbers only have two factors. They are taught that these are numbers called prime numbers and that non-prime numbers are called composite numbers.

Sort the numbers into the table.

2 3 5 9 15 24 29 30

	Prime	Composite
Exactly 2 factors (1 and itself)		
More than 2 factors		

Questions to ask at home

- How can we use our multiplication and division facts to find factors
- How can you work in a systematic way to prove that you have found all of the factors?
- Do factors always come in pairs?

Questions to ask at home

- How many factors does each number have?
- How many other numbers can you find that have this number of factors?
- What is a prime number?
- What is a composite number?
- How many factors does a prime number have?

Key vocabulary

factor
product
multiplication facts
division facts
systematic

Useful Websites

BBC Bitesize:
<https://www.bbc.co.uk/bitesize/topics/topics/zfq7hyc/articles/zp6wfcw>
Topmarks:
https://www.topmarks.co.uk/Sea_rch.aspx?q=factors

Key vocabulary

prime
non-prime
composite
factors

Useful Websites

BBC Bitesize:
<https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/z2q26fr>
Oak National Academy:
<https://teachers.thenationalacademy/lessons/prime-numbers-65j38e>