## Maths

## Multiplication and Division

## The Sieve of Eratosthenes



## Aim

- I can find all of the prime numbers up to 100 .


## Success Criteria

- I can explain what a prime number is.
- I can use The Sieve of Eratosthenes to identify prime numbers.


## What Am I?

Split into pairs, one person will be the
Thinker and the other will be the Guesser.


## What Is a Prime Number?

What is a prime number?


## Who Was Eratosthenes?

Eratosthenes was an Ancient Greek mathematician who lived between 276 and 194 BC .

He was not only a mathematician but also an astronomer, geographer and poet.
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 alsoultion Recobathecenlumbrorknat included leap years, measured the tilt of the Earth's axis and the distance from the Earth to the Moon and Sun.


## The Sieve of Eratosthenes

What is a sieve? What might we use a sieve for?


## The Sieve of Eratosthenes Activities

Use your marvellous maths skills to complete these activity sheets:


## Are These Numbers Prime Numbers?

Turn over your The Sieve of Eratosthenes Activity Sheet.
No peeking allowed!


## Aim

- I can find all of the prime numbers up to 100.


## Success Criteria

- I can explain what a prime number is.
- I can use The Sieve of Eratosthenes to identify prime numbers.


