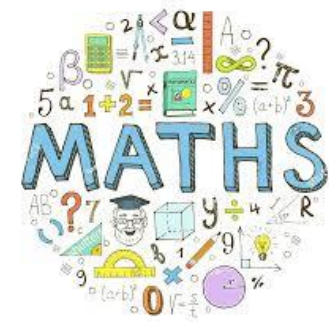




## Maths Newsletter Autumn 2025

Welcome to the first Maths Newsletter for Ormskirk West End Primary School. Each newsletter will feature a famous mathematician, an explanation of a key maths strategy that is taught in school, ways that you can help to support your child with their maths at home and a few challenges for you and your children to try out.



### Famous mathematician- Alan Turing (1912-1954)



Alan Turing was a British mathematician. He made major contributions to the fields of mathematics, computer science and artificial intelligence. He worked for the British government during World War II, when he succeeded in breaking the secret code Germany used to communicate.

In September 1939 Great Britain went to war against Germany. During the war, Turing worked at the Government Code and Cypher School at Bletchley Park. Turing and others designed a code-breaking machine known as the Bombe. They used the Bombe to learn German military secrets. By early 1942 the code breakers at Bletchley Park were decoding about 39,000 messages a month. Such a brilliant man with an exceptional brain!

### Operations with Bar Models

#### Addition

$$60 + 30 = ?$$



$$60 + 30 = 90$$

#### Subtraction

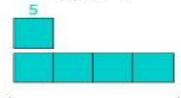
$$90 - 30 = ?$$



$$90 - 30 = 60$$

#### Multiplication

$$4 \times 5 = ?$$



$$4 \times 5 = 20$$

#### Division

$$25 \div 5 = ?$$



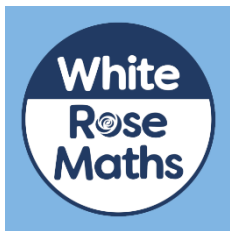
$$25 \div 5 = 5$$

## Approaches we use: The Bar Model

This method has become more and more popular in schools across the UK due to its success within the Singaporean education system. It works by showing a clear visual representation of a calculation and we use them across the school as the children can draw them easily on the squared paper in their maths books to help with the calculations they are performing.

Some examples can be seen to the left.

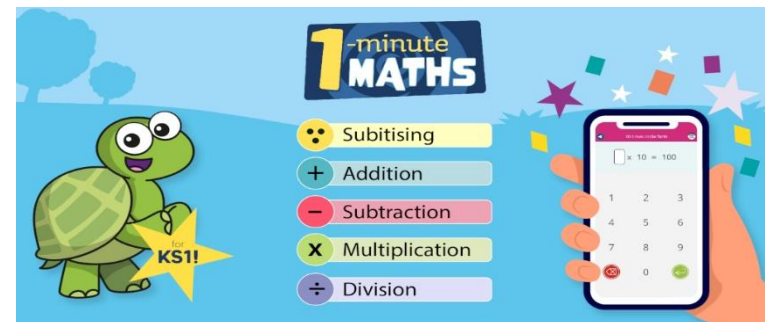
**Useful apps -** At the time of writing this app is available on all app stores for free.



### White Rose Maths - One minute maths

This app is primarily aimed at children in EYFS and KS1 and gives them an introduction to addition, subtraction and subitising - recognising numbers.

Users are able to choose the layout of their questions, either using cartoon objects or coloured dots placed at random or in arrays and, as it is only one minute per game, is not too onerous on the user, or their parents!





Ensure you download TTRS if you are in Maple, Willow or Oak! Get your scores up and practise as much as you can- we are looking for those with resilience and aspiration to improve! You can do it!

And finally...

To help your child with their maths at home away from a screen try to **estimate quantities** when out and about:

- How many people are on the bus?
  - How much will the shopping cost?
  - How many steps is it to the park?
- How many more red than black cars are there?

These are all great questions to inspire mathematical conversation. Have fun!

Estimate how many fish are in the tank.

