

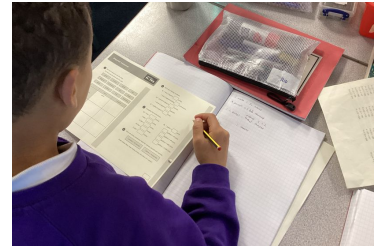
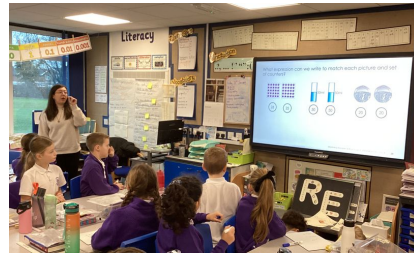


# Mastering Number

Parent Workshop - Year 3, 4 and 5

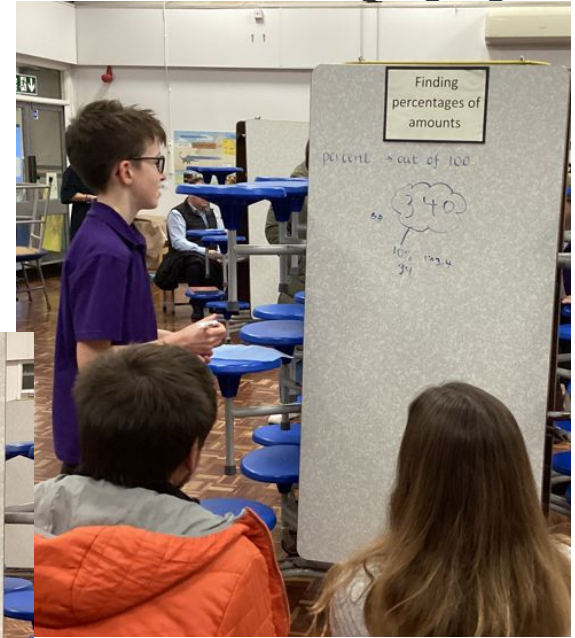
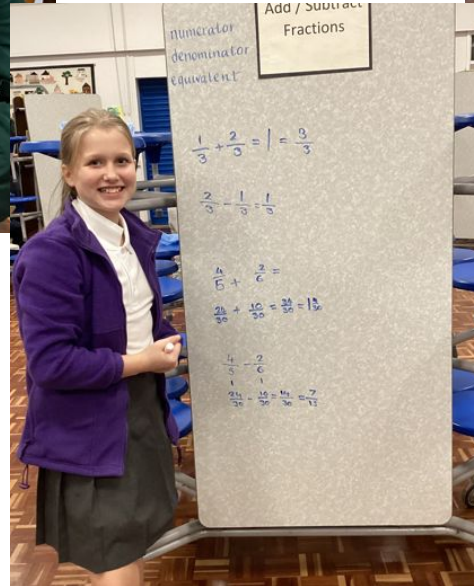


# How do we teach Mathematics at Ladybrook?





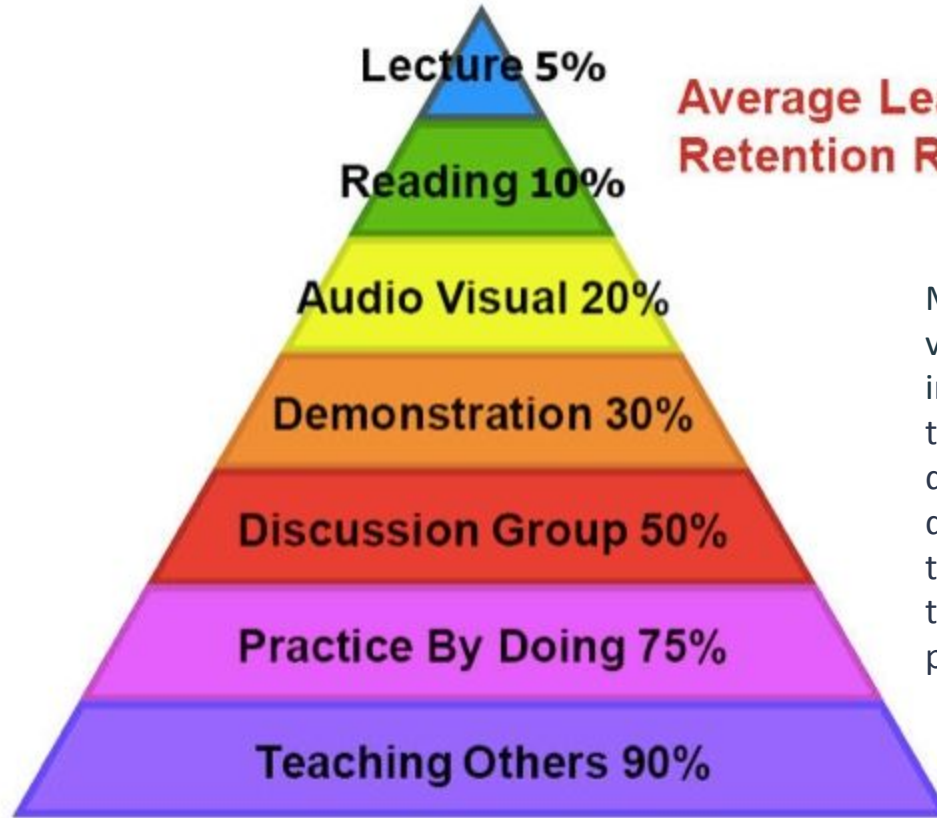
## Year 6 Maths Evening Teaching the parents...



## Multiplication Check - end of Year 4

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>

This link takes you to an activity which is similar to the Multiplication Check children complete at the end of Year 4.



## Average Learning Retention Rates

Mathematics at Ladybrook is very active. A typical lesson includes questioning, short tasks, explanation, demonstration, and discussion, enabling pupils to think, reason and apply their knowledge to solve problems.

Source: National Training Laboratories, Bethel, Maine

# What is Mastering Number?

<https://www.youtube.com/watch?v=SBVUoPm7GcU>

To see a Mastering Number lesson and the views of a teacher and children, watch from 24 minutes.

## Feedback from pilot schools

Children are making more links

Children are more confident in their times tables

Problem solving has improved

Children can just 'see' the maths

Children can explain the maths behind the tables



ay (k)

# What is the impact of Mastering Number?

A sample school provided their Multiplication Check data for 2022, 2023 and 2024.

Key Points:

The check is out of 25.

The school started Mastering Number at the start of 2024.

2022	2023	2024
25	25	25
25	25	25
25	25	25
24	25	25
24	25	25
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23	24	25
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11	15	23
11	14	23
11	13	22
11	13	22
10	11	21
10	11	21
10	10	21
10	9	21
10	8	20

So if you know this fact...

$$7 \times 8 = 56$$

56 divided by 8 = 7

$$0.7 \times 8 = 5.6$$

$$0.7 \times 0.8 = 0.56$$

$$700 \times 800 = 560000$$

one eighth of 56 is 7

5.6 divided by 8 is 0.7

A teacher needs to buy 60 pencils for her class. Each pack contains 8 pencils and she buys 7 packs.  
Will she have enough?

$$\frac{56}{8} = 7$$

$$\frac{56}{7} = 8$$

## Time to learn...

Please could you follow your class teacher to the classrooms.

Year 3 - practising fluency and accuracy

Year 4 - Mastering Number lesson followed by maths stations

Year 5 - Mastering Number lesson followed by maths stations