

Year 5 Maths Workshop

We will cover:

- The year 5 maths curriculum overview
- An explanation and demonstration of the formal methods for multiplication and division
- Example of a problem-solving maths activity that we use in school
- Questions

The year 5 maths curriculum is split into topics. This is the order in which the topics are taught.

y5	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value KPI 1			Addition and Subtraction KPI 3 & 4		Multiplication and Division A KPI 5 & 6			Fractions A			
Spring	Multiplication and Division B			Fractions B		Decimals and Percentages			Statistics		Negative numbers	Volume
Summer	Decimals			Converting Units		Perimeter and Area		Shape		Position and Direction		

Y6 Yearly Overview

For less able children, ratio and algebra could be missed so they can spend more time as necessary on the number elements.

Step 1 Multiply up to a 4-digit number by a 1-digit number

Step 2 Multiply a 2-digit number by a 2-digit number (area model)

Step 3 Multiply a 2-digit number by a 2-digit number

Step 4 Multiply a 3-digit number by a 2-digit number

Step 5 Multiply a 4-digit number by a 2-digit number

Step 6 Solve problems with multiplication

Step 7 Short division

Step 8 Divide a 4-digit number by a 1-digit number

Step 9 Divide with remainders

Step 10 Efficient division

Step 11 Solve problems with multiplication and division

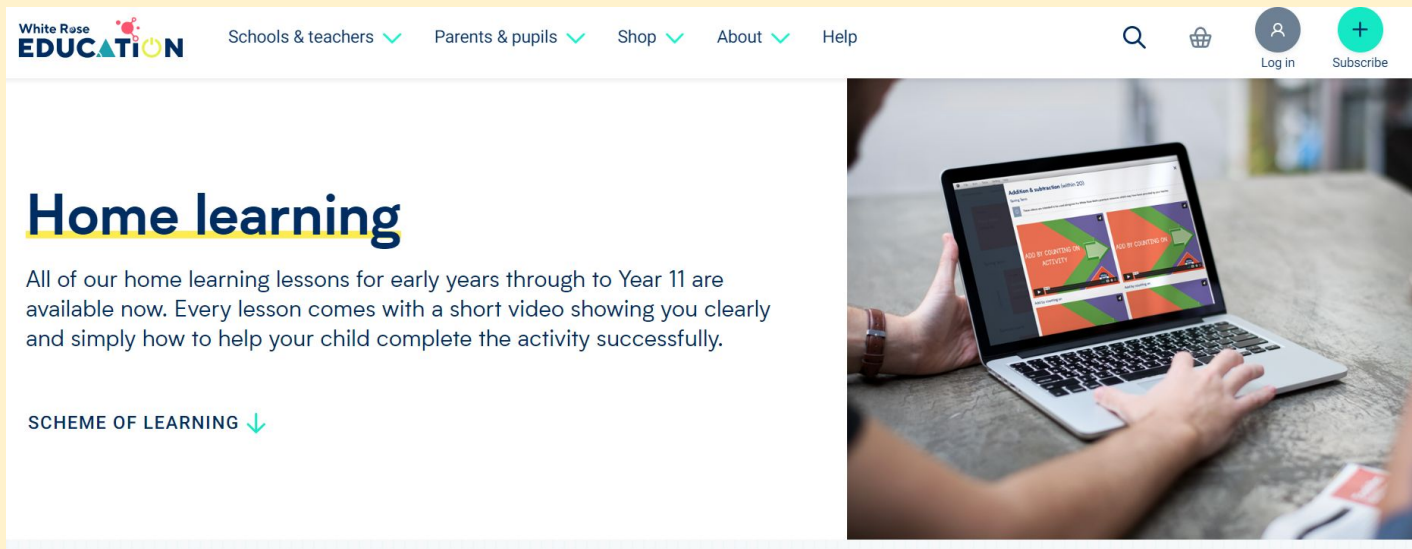
Each of our main topics is broken down into 'small steps' (each step is the equivalent of one lesson).

These are the small steps for our current topic - multiplication and division B.

White Rose Maths

PC

The White Rose Maths website has lots of free downloads and videos which parents can access for free at home.



The screenshot shows the White Rose Maths website interface. At the top is a navigation bar with the logo on the left and links for 'Schools & teachers', 'Parents & pupils', 'Shop', 'About', and 'Help' in the center. On the right side of the bar are icons for a search function, a shopping cart, a user profile with a 'Log in' button, and a 'Subscribe' button with a plus icon. Below the navigation bar, the main content area features a large heading 'Home learning' with a yellow underline. Underneath this heading is a paragraph of text. To the right of the text is a photograph of a person's hands using a laptop. The laptop screen displays a colorful mathematical diagram with arrows and text related to 'Addition & subtraction'.

White Rose
EDUCATION

[Schools & teachers](#) ✓ [Parents & pupils](#) ✓ [Shop](#) ✓ [About](#) ✓ [Help](#)

[Log in](#) [Subscribe](#)

Home learning

All of our home learning lessons for early years through to Year 11 are available now. Every lesson comes with a short video showing you clearly and simply how to help your child complete the activity successfully.

[SCHEME OF LEARNING](#) ↓

Addition & subtraction (Unit 20)

ADD BY COUNTING ON
SUB BY COUNTING ON

Formal calculation methods for multiplication and division.

a) 315×4

b) 152×23

c) $75 \div 5$

d) $479 \div 4$

Maths Buzz

Maths Buzz is a problem solving activity which we use regularly in lessons to allow children to apply their knowledge in different ways.

The children have a set of clue cards which they must use to help them solve the problem.

There is an example of one of these activities on your table. Feel free to have a go!

Five minute challenge!

We will be completing a five minute challenge activity
2-3 times per week.

5 MINUTE CHALLENGE!	
1) $3,659 + 4,140 = \underline{\hspace{2cm}}$	2) $4,658 - 1,687 = \underline{\hspace{2cm}}$
5) $7,559 + 1,288 = \underline{\hspace{2cm}}$	6) $7,485 - 1,543 = \underline{\hspace{2cm}}$
3) 542×32	4) $3\frac{3}{8} - 1\frac{4}{16} =$
7) $865 \div 4 =$	8) $1\frac{2}{3} - 1\frac{8}{18} =$

And finally...

We are often asked, "What are the most important things that will help to support my child in maths at school?"

Be positive! Remind children that we can ALL do maths!

Y5: practise times tables for instant recall

Y6: use revision books for the tricky areas of maths



Headlands Primary School

There is plenty of useful information on our school website.

Just go to the curriculum section and maths.

Thank you for coming today.
We hope that you found it useful.

Questions?

Useful links:

Column addition: <https://www.youtube.com/watch?v=DTZqgYRoxYU>

Column subtraction: <https://www.youtube.com/watch?v=EVv2MeAQ0Ww>

Short multiplication: <https://www.youtube.com/watch?v=ryB0ruIdPlc>

Long multiplication: https://www.youtube.com/watch?v=gC76ahwXi_8

Short division: <https://www.youtube.com/watch?v=FApcjdAhnry>