



# White Rose Maths

## Year 3

### Autumn Term

WRM – Year 3 – Scheme of Learning 2.0s



	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	Number: Place Value			Number: Addition and Subtraction					Number: Multiplication and Division			

# Overview

## Small Steps

- Represent numbers to 100 R
- Tens and ones using addition R
- Hundreds
- Represent numbers to 1,000
- 100s, 10s and 1s (1)
- 100s, 10s and 1s (2)
- Number line to 1,000
- Find 1, 10, 100 more or less than a given number
- Compare objects to 1,000
- Compare numbers to 1,000
- Order numbers
- Count in 50s

## Notes for 2020/21

Children should already have some understanding of tens and ones from Y2, however it may be useful to recap this content before exploring hundreds.

You may want to ensure that you use plenty of examples of numbers within 100 including number lines to 100 before moving on to the number line to 1,000

# Overview

## Small Steps

### Notes for 2020/21

- ▶ Add and subtract multiples of 100
- ▶ Add and subtract 1s R
- ▶ Add and subtract 3-digit and 1-digit numbers – not crossing 10
- ▶ Add a 2-digit and 1-digit number - crossing 10 R
- ▶ Add 3-digit and 1-digit numbers – crossing 10
- ▶ Subtract a 1-digit number from 2-digits - crossing 10 R
- ▶ Subtract a 1-digit number from a 3-digit number – crossing 10
- ▶ Add and subtract 3-digit and 2-digit numbers – not crossing 100
- ▶ Add 3-digit and 2-digit numbers – crossing 100
- ▶ Subtract a 2-digit number from a 3-digit number – crossing 100
- ▶ Add and subtract 100s
- ▶ Spot the pattern – making it explicit
- ▶ Add two 2-digit numbers - crossing 10 - add ones & add tens R
- ▶ Subtract a 2-digit number from a 2-digit number - crossing 10 R

Children should have met addition and subtraction of 2-digits + 2-digits, although it may not be embedded and they may not have met the formal column method.

We have added steps that provide opportunity for recap/introduce the formal method of 2-digits + 2-digits.

# Overview

## Small Steps

- ▶ Add and subtract a 2-digit and 3-digit numbers – not crossing 10 or 100
- ▶ Add a 2-digit and 3-digit numbers – crossing 10 or 100
- ▶ Subtract a 2-digit number from a 3-digit number – crossing 10 or 100
- ▶ Add two 3-digit numbers – not crossing 10 or 100
- ▶ Add two 3-digit numbers – crossing 10 or 100
- ▶ Subtract a 3-digit number from a 3-digit number – no exchange
- ▶ Subtract a 3-digit number from a 3-digit number – exchange
- ▶ Estimate answers to calculations
- ▶ Check answers

## Notes for 2020/21

Use the early steps in this unit to recap place value of 2-digit and 3-digit numbers.

You may want to omit the estimate and check answers steps and instead embed this throughout the other steps.

# Overview

## Small Steps

### Notes for 2020/21

▶	Multiplication – equal groups	
▶	Multiplication using the symbol	R
▶	Using arrays	R
▶	2 times-table	R
▶	5 times-table	R
▶	Make equal groups - sharing	R
▶	Make equal groups - grouping	R
▶	Divide by 2	R
▶	Divide by 5	R
▶	Divide by 10	R
▶	Multiply by 3	
▶	Divide by 3	
▶	The 3 times table	

Children should have met the 2, 5 and 10 times table including being able to divide by 2, 5 and 10. However it may not be fully embedded.

These recap steps could be filtered in during starters or morning work to aim for fluency.

# Overview

## Small Steps

▶ Multiply by 4

▶ Divide by 4

▶ The 4 times table

▶ Multiply by 8

▶ Divide by 8

▶ The 8 times table

## Notes for 2020/21

Understanding of the 4 and 8 times table relies on a deep knowledge of the 2s, therefore a recap would be useful.