

Autumn Scheme of Learning

Year 4

#MathsEveryoneCan

2020-21



	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			Measurement: Length and Perimeter		Number: Multiplication and Division		
Spring	Number: Multiplication and Division			Measurement: Area	Number: Fractions				Number: Decimals		Consolidation	
Summer	Number: Decimals		Measurement: Money		Measurement: Time		Statistics	Geometry: Properties of Shape		Geometry: Position and Direction		Consolidation

Overview

Small Steps

Notes for 2020/21

- ▶ Represent numbers to 1,000 R
- ▶ 100s, 10s and 1s R
- ▶ Number line to 1,000 R
- ▶ Round to the nearest 10
- ▶ Round to the nearest 100
- ▶ Count in 1,000s
- ▶ 1,000s, 100s, 10s and 1s
- ▶ Partitioning
- ▶ Number line to 10,000
- ▶ Find 1, 10, 100 more or less R
- ▶ 1,000 more or less
- ▶ Compare numbers

We begin by encouraging spending time on numbers within a 1,000 to ensure they are secure on this knowledge before moving into 10,000.

Using equipment or digital manipulatives may help children increase their understanding.

Overview

Small Steps

Notes for 2020/21

- Order numbers
- Round to the nearest 1,000
- Count in 25s
- Negative numbers
- Roman numerals to 100

Work on Roman Numerals has been moved to the end of the block as we believe it is important for children to be secure with our own number system before exploring another.

Overview

Small Steps

Notes for 2020/21

- ▶ Add and subtract 1s, 10s, 100s and 1,000s
- ▶ Add two 3-digit numbers - not crossing 10 or 100 R
- ▶ Add two 4-digit numbers – no exchange
- ▶ Add two 3-digit numbers - crossing 10 or 100 R
- ▶ Add two 4-digit numbers – one exchange
- ▶ Add two 4-digit numbers – more than one exchange
- ▶ Subtract a 3-digit number from a 3-digit number - no exchange R
- ▶ Subtract two 4-digit numbers – no exchange
- ▶ Subtract a 3-digit number from a 3-digit number - exchange R
- ▶ Subtract two 4-digit numbers – one exchange
- ▶ Subtract two 4-digit numbers – more than one exchange
- ▶ Efficient subtraction
- ▶ Estimate answers
- ▶ Checking strategies

As we move through the autumn term we've suggested you spend a little more time on addition and subtraction making sure children can add any 2 and 3 digit numbers, before moving into 4 digit numbers.

Ensuring children have this solid foundation will make the move into larger numbers much simpler.

Overview

Small Steps

Notes for 2020/21

Equivalent lengths - m and cm	R
Equivalent lengths - mm and cm	R
Kilometres	
Add lengths	R
Subtract lengths	R
Measure perimeter	R
Perimeter on a grid	
Perimeter of a rectangle	
Perimeter of rectilinear shapes	

We've added extra time in autumn term to look at content children have likely missed at the end of Y3, particularly on metric units and conversion between them.

This is often a skill children find difficult to remember and grasp, so we think this extra time will be useful.

Overview

Small Steps

Notes for 2020/21

- ▶ Multiply by 10
- ▶ Multiply by 100
- ▶ Divide by 10
- ▶ Divide by 100
- ▶ Multiply by 1 and 0
- ▶ Divide by 1 and itself
- ▶ Multiply and divide by 3 R
- ▶ The 3 times-table R
- ▶ Multiply and divide by 6
- ▶ 6 times table and division facts
- ▶ Multiply and divide by 9
- ▶ 9 times table and division facts
- ▶ Multiply and divide by 7
- ▶ 7 times table and division facts

We have added in the 3 times table steps from year 3 to help support children's understanding of the 6 and 9 times tables and see the links between them.

We feel that it is vital that there is plenty of practice of times table facts. This will help children with their future learning in many areas of mathematics.