	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

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	

Notes for 2020/21

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

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

Notes for 2020/21

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

1. Add and subtract 1s, 10s, 100s and 1,000s
2. Add two 3-digit numbers - not crossing 10 or 100 (R)
3. Add two 4-digit numbers – no exchange
4. Add two 3-digit numbers - crossing 10 or 100 (R)
5. Add two 4-digit numbers – one exchange
6. Add two 4-digit numbers – more than one exchange
7. Subtract a 3-digit number from a 3-digit number - no exchange (R)
8. Subtract two 4-digit numbers – no exchange
9. Subtract a 3-digit number from a 3-digit number - exchange (R)
10. Subtract two 4-digit numbers – one exchange
11. Subtract two 4-digit numbers – more than one exchange
12. Efficient subtraction
13. Estimate answers
14. Checking strategies

Notes for 2020/21

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

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	

Notes for 2020/21

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

- 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

Notes for 2020/21

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.

Overview

Small Steps

- 11 and 12 times-table
- Multiply 3 numbers
- Factor pairs
- Efficient multiplication
- Written methods
- Multiply 2-digits by 1-digit (1) R
- Multiply 2-digits by 1-digit
- Multiply 3-digits by 1-digit
- Divide 2-digits by 1-digit (1) R
- Divide 2-digits by 1-digit (1)

Notes for 2020/21

These steps may look similar but these are difficult concepts and children need to spend time exploring different representations of multiplication with no exchange before moving on. They need to use manipulatives to support understanding and make links with repeated addition.

Similarly with division, children will first need to explore examples with no exchange or remainders, making links to the inverse.

Overview

Small Steps

- Divide 2-digits by 1-digit (2) R
- Divide 2-digits by 1-digit (2)
- Divide 3-digits by 1-digit
- Correspondence problems

Notes for 2020/21

The final division steps introduce remainders and begin to look at generalisations.
Continue to use place value counters and visual models to support understanding.

Overview

Small Steps

- What is area?
- Counting squares
- Making shapes
- Comparing area

Notes for 2020/21

This is brand new learning for children. Opportunities for exploration of vocabulary is key. Make sure children cover larger surfaces and have a clear understanding of the concept of area before moving onto counting small squares.

Overview

Small Steps

Unit and non-unit fractions	R
What is a fraction?	
Tenths	R
Count in tenths	R
Equivalent fractions (1)	R
Equivalent fractions (2)	R
Equivalent fractions (1)	
Equivalent fractions (2)	
Fractions greater than 1	
Count in fractions	
Add fractions	R
Add 2 or more fractions	

Notes for 2020/21

Year 3 fractions work was in the summer term and learning may have been missed. We have therefore added a number of recap steps to ensure children have a thorough understanding of tenths and equivalent fractions before moving into adding and subtracting.

The progression from paper folding and finding two equivalent fractions is explored before moving onto looking at numerical relationships in a more abstract way.

Overview

Small Steps

- Subtract fractions (R)
- Subtract 2 fractions
- Subtract from whole amounts
- Fractions of a set of objects (1) (R)
- Fractions of a set of objects (2) (R)
- Calculate fractions of a quantity
- Problem solving – calculate quantities

Notes for 2020/21

The recap step here suggests children use practical equipment and pictorial representations to subtract fractions with the same denominator within one whole. They can then apply this to subtracting more than one fraction and from whole amounts.

Overview

Small Steps

- Recognise tenths and hundredths
- Tenths as decimals
- Tenths on a place value grid
- Tenths on a number line
- Divide 1-digit by 10
- Divide 2-digits by 10
- Hundredths
- Hundredths as decimals
- Hundredths on a place value grid
- Divide 1 or 2-digits by 100

Notes for 2020/21

This is new learning so there are no recap steps here. Children will need to explore the link with fractions and decimals using concrete manipulatives and pictorial representations.

Using counters on a place value chart will help children see the connections when dividing by 10 and by 100.

Overview

Small Steps

1. Bonds to 10 and 100 (R)
2. Make a whole
3. Write decimals
4. Compare decimals
5. Order decimals
6. Round decimals
7. Halves and quarters

Notes for 2020/21

Whilst the majority of learning in this block will be new for all children, fluency in number bonds to both 10 and 100 will support children with their understanding of decimals so time should be spent recapping these.

Overview

Small Steps

- Pounds and pence
- Ordering money
- Estimating money
- Convert pounds and pence (R)
- Add money (R)
- Subtract money (R)
- Find change (R)
- Four operations

Notes for 2020/21

This step provides further consolidation on the previous block of learning as children write money using decimal notation. Time is allowed to recap basic calculations with money from year 3 before looking at more complex examples.

Overview

Small Steps

- Telling the time to 5 minutes (R)
- Telling the time to the minute (R)
- Using a.m. and p.m. (R)
- 24-hour clock (R)
- Hours, minutes and seconds
- Years, months, weeks and days
- Analogue to digital – 12 hour
- Analogue to digital – 24 hour

Notes for 2020/21

Children should first recap telling the time to different degrees of accuracy from year 3 before moving on to new learning focused around converting between different units of time.

Overview

Small Steps

- Interpret charts
- Comparison, sum and difference
- Introducing line graphs
- Line graphs

Notes for 2020/21

Less time is allowed for this block than there has been in previous years to ensure more time can be spent on number. Science is a good opportunity to consolidate statistics if needed.

Overview

Small Steps

Turns and angles	R
Right angles in shapes	R
Compare angles	R
Identify angles	
Compare and order angles	
Recognise and describe 2-D shapes	R
Triangles	
Quadrilaterals	
Horizontal and vertical	R
Lines of symmetry	
Complete a symmetric figure	

Notes for 2020/21

The new learning in this block requires students to be confident in the prerequisite steps from year 3

These are included here for recap as they are likely to have been taught remotely during the last academic year.

Overview

Small Steps

- Describe position
- Draw on a grid
- Move on a grid
- Describe movement on a grid

Notes for 2020/21

This is the first time children are introduced to position and direction on a coordinate grid. They may need reminding of key words related to this topic such as left, right, forwards and backwards.