

## Red Rose Mastery Maths Year 3 Unit Overviews: Autumn Term 1

Use opportunities as part of the daily routine to tell the time to the nearest 5 minutes.  
At some point in each day, not necessarily the maths lesson, addition and subtraction facts (number bonds) and multiplication and division facts for the 2, 5 and 10 times tables should be rehearsed following guidance provided.

Autumn 1 Unit 1 (Weeks 1 & 2): Place Value, Addition and Subtraction		
Lesson	Starter	Lesson Focus
1	Count on and back in ones and tens from any two-digit number	Exchange 10 ones for 1 ten and vice versa Exchange 10 tens for 1 hundred and vice versa
2	Count on in tens from any two-digit number (crossing the 100 boundary)	Identify and represent numbers up to 1000 using concrete materials such as base 10 apparatus Partition a three-digit number into hundreds, tens and ones
3	Count back in tens from any two-digit number (crossing the 100 boundary)	Identify and represent numbers up to 1000 using models such as place value counters and arrow cards. Partition a three-digit number into hundreds, tens and ones
4	Match multiplication number sentences to arrays and vice-versa	Compare three or more numbers up to 1000 when represented using the same concrete materials saying which numbers are greater or less and use $<$ , $>$ and $=$ correctly.
5	Exchanging tens for hundreds and hundreds for tens	Identify the multiples of 10 immediately before and after numbers with up to three-digits and round the numbers to the nearest ten.
6	Count on or back from a two- or three- digit number in ones, crossing a tens boundary.	Identify the number ten more/ ten less and one hundred more/ one hundred less than a given number with up to three-digits without crossing any boundaries.
7	Identify multiples of 100 on a number line with multiples of 100 marked but not labelled.	Add and subtract a three-digit number and tens mentally with no boundaries crossed
8	Add and subtract a three-digit number and hundreds mentally with no boundaries crossed	Identify and describe the rule (addition or subtraction) in a number sequence by calculating the difference between two adjacent numbers Extend number sequences by using the identified rule
9	Recall multiplication and division facts for the 2, 5 and 10 multiplication tables	Recognise addition calculations that require mental partitioning e.g. $37 + 25$ and use this strategy where appropriate
10	Identify and describe 2-D shapes, considering sides, vertices and symmetry	Recognise subtraction calculations that require mental partitioning e.g. $42 - 17$ and use this strategy where appropriate

<b>Autumn 1 Unit 2 (Week 3): Length and Perimeter</b>		
<b>Lesson</b>	<b>Starter</b>	<b>Lesson Focus</b>
<b>1</b>	Recall multiplication and division facts for the 2, 5 and 10 multiplication tables	Accurately draw 2-D shapes including with specific properties using squared and isometric paper
<b>2</b>	Recall pairs of multiples of 100 that make 1000	Measure lengths in cm and m Add and subtract, including finding the difference between, lengths.
<b>3</b>	Compare the lengths of different objects	Measure lengths in mm Add and subtract, including finding the difference between, lengths
<b>4</b>	Use a mental partitioning strategy for addition of 2 two-digit numbers	Develop an understanding of perimeter using straws Use counting to calculate the perimeter of a polygon drawn on squared cm paper
<b>5</b>	Use a mental partitioning strategy for subtraction of 2 two-digit numbers	Use counting to calculate the perimeter of a polygon drawn on squared cm paper Calculate the perimeter of a polygon where the lengths of sides are given

<b>Autumn 1 Unit 3 (Week 4): Statistics</b>		
<b>Lesson</b>	<b>Starter</b>	<b>Lesson Focus</b>
<b>1</b>	Add 3 one-digit numbers	Derive and use addition and subtraction facts for 100 using bead strings, a blank 10 by 10 grid etc. Recognise that when calculating addition facts to 100 the 1s total 10 and the tens total 90
<b>2</b>	Add or subtract a three-digit number and: - ones - tens - hundreds	Collect data in a frequency table and use the data to draw a bar chart with a scale in ones.
<b>3</b>	Use a mental partitioning strategy for addition or subtraction of 2 two-digit numbers	Use data in a frequency table to draw a bar chart with a scale in twos. Answer questions using data contained in a bar chart.
<b>4</b>	Adding 3 two-digit multiples of 10	Solve one-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in a bar chart or table
<b>5</b>	Derive addition and subtraction facts for 100 using number lines	Present and interpret data using pictograms with a symbol representing 1, 2 or 10 (including half symbols). Solve one-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in a pictogram

<b>Autumn 1 Unit 4 (Weeks 5 and 6): Addition and Subtraction</b>		
<b>Lesson</b>	<b>Starter</b>	<b>Lesson Focus</b>
<b>1</b>	Exchanging ones for tens and tens for ones	Add 2 two-digit numbers using formal written methods with exchange from ones into tens
<b>2</b>	Addition of 2 three-digit numbers where no boundaries are crossed, e.g. 265 + 324	Add 2 three-digit numbers using formal written methods with exchange from ones into tens
<b>3</b>	Round numbers with up to three-digits to the nearest 10	Add 2 three-digit numbers using formal written methods with exchange from ones into tens
<b>4</b>	Recall pairs of multiples of 100 that make 1000	Choose an appropriate strategy for a given addition calculation
<b>5</b>	Identifying the bond to the next multiple of 10, e.g. $231 + \square = 240$	Subtract 2 two-digit numbers using formal written methods with exchange from tens into ones
<b>6</b>	Subtraction of 2 three-digit numbers where no boundaries are crossed, e.g. $765 - 342$	Subtract 2 three-digit numbers using formal written methods with exchange from tens into ones
<b>7</b>	Identifying missing numbers in multiplication and division number sentences (2, 5 and 10 multiplication tables)	Subtract 2 three-digit numbers using formal written methods with exchange from tens into ones
<b>8</b>	Use a mental partitioning strategy for addition or subtraction of 2 two-digit numbers	Choose an appropriate strategy for a given subtraction calculation
<b>9</b>	Use related facts to add 3 three-digit multiples of 100 (not crossing the thousand boundary)	Use a formal written method of addition to make a given criteria, e.g. choose from a set of given numbers to make a total Use a formal written method of subtraction to make a given criteria, e.g. choose from a set of given numbers to make a difference
<b>10</b>		Learning Check