



Orange Emerging	Orange Expected	Orange Greater Depth		
Number, Place Value and rounding				
Count in 2's, 5's and 10's from 0 and use this to solve problems.	I can count in 3's.	Recognise and identify a multiple of 2, 5 and 10 of any given number.		
I can count forward in steps of 10 from any number up to 100 (e.g. 34, 44, 54, 64).	I can count backward in steps of 10 from any given number. I can identify, represent and estimate	Recognise and understand the place value of each digit in a three-digit number (hundreds, tens, and ones).		
I am confident recording my thinking or working out on a number line.	numbers using a number line. Compare and order numbers from 0 up to	Accurately estimate numbers on an empty line and explain why they have placed my		
Read and write numbers in numerals up to 100.	100 using the greater than > and less than < and = signs.	number in that position. Solve problems using <, > and = signs		
Compare numbers from 0 up to 100 using the greater than > and the less than < signs.	I can identify, represent and estimate numbers using the expanded column method.	numbers up to 100 and explain my reasoning.		
I understand what tens and ones are and can use structured resources to begin to partition.	I can read and write numbers to at least	Read numbers correctly in words when solving a mathematical problem.		
I am confident in knowing the value of each digit in a 2-digit number.	100 (numerals and words). I can use my knowledge of place value and number facts to solve problems.	Explain the method I have used and how the problem was solved and why the answer is correct.		
	I can partition any 2 digit number into different combinations of tens and ones, explaining their thinking verbally, in pictures or using apparatus.			





	Addition and Subtraction	
Recall at least four of the six number bonds for 10 and reason about the associated facts (eg 6+4=10, therefore 4+6=10 and 10-6=4) I can solve addition and subtraction problems (with numbers up to and beyond 20) and then with numbers, quantities and measures up to 100. I can add 1 digit to a 2 digit number by putting the biggest number in my head and counting on or using objects. I can add multiples of 10 to a 2-digit number (e.g. 34+20=54) in my head. I can add three 1-digit numbers in my head	<ul> <li>I can recall and use number facts up to 100 (e.g. 70+30=100 and also 75+25=100).</li> <li>When solving problems I can apply my knowledge of mental and written methods (expanded column method for addition and number line for subtraction).</li> <li>I can add and subtract two digit and ones, and two digit numbers and tens where no regrouping is required, explaining their method verbally, in picture or using apparatus ( eg 23 + 5, 46 + 20, 16 - 5, 88 - 30).</li> <li>I can add and subtract two 2-digit numbers using an efficient strategy, explaining their</li> </ul>	<ul> <li>Solve unfamiliar word problems that involve more than one step (eg which has the most biscuits, 4 packet of biscuits with 5 in each packer or 3 packets of biscuits with 10in each packet?)</li> <li>Use fluent recall of subtraction and addition facts to support mental calculations.</li> <li>Use a written method to add and subtract two 2 digit numbers from 2 digit numbers.</li> <li>Be able to make 2 correct additions and 2 subtractions using 2 digit numbers.</li> <li>Use reasoning about numbers and relationships to solve more complex problems</li> </ul>
(e.g. 8+6+4=18) or use objects. I understand that numbers can be added in any order.	method verbally, in pictures or using apparatus (eg 48 + 35, 72 – 17) I can demonstrate my understanding that	and explain their thinking.
Recognise the inverse relationship between addition and subtraction (e.g. 6+4=10 so 10-4=6).	addition of 2 numbers can be done in any order and subtraction of 1 number from another cannot.	
I understand that when subtracting, the biggest number must go first.	Recall all number bonds to and within 10 and use these to reason with and calculate bonds to 20, recognising other associated additive relationships (eg if $7 + 3 = 10$ then 17 + 3 = 20, if $7 - 3 = 4$ , then $17 - 3 = 14$ ; leading to if $14+3=17$ then $3 + 14 = 17$ , $17 - 14$ = 3 and $17 - 3 = 14$ )	





	Multiplication and Division	
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I recognise odd and even numbers.	I am beginning to recall some related	Use commutativity and inverse relations to
	division facts (e.g. 6x2=12 so 12÷2=6).	develop multiplicative reasoning (e.g. 4 X 5
I can recall the multiplication facts for the 2,		= 20 and 20 ÷ 5 = 4).
5 and 10 times tables.	I am beginning to recall some related	
	division facts (e.g. 6x2=12 so 12÷2=6).	Recognise and use the inverse relationships
Solve simple multiplication and division		between multiplication and division.
sums using apparatus and arrays (e.g.	Solve multiplication and division sums in	Serveen manqueauon and an son.
multi-link).	my head or using a number line.	Show and explain how knowing a
		multiplication fact helps me to solve a
I am beginning to recall some related	I understand that when dividing, the biggest	division word problem and record related
division facts (e.g. 6x2=12 so 12÷2=6).	number must go first.	number sentences.
5 . 5	5 5	
I understand that numbers can be multiplied	I can recall and use the multiplication and	Recall and use multiplication and division
in any order.	division facts for the 2, 5 and 10 times tables	facts for 2,5 and 10 and make deductions
		outside known multiplication facts.
	and use them to solve simple problems,	ouiside known multiplication jucis.
	demonstrating an understanding of	
	commutativity as necessary.	
	Fractions, decimals and percentages	
I am beginning to find, name and write 1/3,	Fractions, decimals and percentages Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or	Solve and explain how to use fractions whe
	Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or	
I am beginning to find, name and write 1/3, $\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity.	Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or shape, and know that all parts must be	solving problems using shape, objects and
	Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or	
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity.	Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or shape, and know that all parts must be equal parts of the whole.	solving problems using shape, objects and quantities.
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity. I recognise there are 2 halves in a whole, 3	Identify <sup>1</sup> / <sub>4</sub> , 1/3, <sup>1</sup> / <sub>2</sub> , 2/4, <sup>3</sup> / <sub>4</sub> of a number or shape, and know that all parts must be equal parts of the whole. I can use my knowledge of equivalent	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity. I recognise there are 2 halves in a whole, 3	Identify $\frac{1}{4}$ , 1/3, $\frac{1}{2}$ , 2/4, $\frac{3}{4}$ of a number or shape, and know that all parts must be equal parts of the whole.	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a number line and begin to understand the
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity. I recognise there are 2 halves in a whole, 3 thirds in a whole and 4 quarters in a whole.	Identify <sup>1</sup> / <sub>4</sub> , 1/3, <sup>1</sup> / <sub>2</sub> , 2/4, <sup>3</sup> / <sub>4</sub> of a number or shape, and know that all parts must be equal parts of the whole. I can use my knowledge of equivalent	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a
<ul> <li><sup>1</sup>/<sub>4</sub>, 2/4 (1/2) and <sup>3</sup>/<sub>4</sub> of a length, shape, set of objects or quantity.</li> <li>I recognise there are 2 halves in a whole, 3 thirds in a whole and 4 quarters in a whole.</li> <li>I am beginning to recognise equivalent</li> </ul>	Identify <sup>1</sup> / <sub>4</sub> , 1/3, <sup>1</sup> / <sub>2</sub> , 2/4, <sup>3</sup> / <sub>4</sub> of a number or shape, and know that all parts must be equal parts of the whole. I can use my knowledge of equivalent	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a number line and begin to understand the
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity. I recognise there are 2 halves in a whole, 3 thirds in a whole and 4 quarters in a whole. I am beginning to recognise equivalent	Identify <sup>1</sup> / <sub>4</sub> , 1/3, <sup>1</sup> / <sub>2</sub> , 2/4, <sup>3</sup> / <sub>4</sub> of a number or shape, and know that all parts must be equal parts of the whole. I can use my knowledge of equivalent	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a number line and begin to understand the
$\frac{1}{4}$ , 2/4 (1/2) and $\frac{3}{4}$ of a length, shape, set of objects or quantity.	Identify <sup>1</sup> / <sub>4</sub> , 1/3, <sup>1</sup> / <sub>2</sub> , 2/4, <sup>3</sup> / <sub>4</sub> of a number or shape, and know that all parts must be equal parts of the whole. I can use my knowledge of equivalent	solving problems using shape, objects and quantities. Count in halves and quarters up to 10 on a number line and begin to understand the





Measurement		
I can choose appropriate units to measure in	Add and subtract different measures to help	
ana compare ana oraer measuremenis.	me solve and explain a problem.	
I can record measurements using the <, >	I can read scales in 1's, 2's, 5's and 10's in	
unu – sugns.	practical situations when not all the numbers are on the scale and estimate points in	
I can combine amounts of money to make a given value.	between.	
I can use different coins to make the same amount.	Solve and explain problems involving addition and subtraction of money of the same unit, including giving change.	
I can solve simple problems involving money and give the correct change.	Solve and explain simple problems involving time using a number line.	
I can tell and write the time to the nearest 15 minutes including quarter past and quarter	I can read the time on a clock to the nearest 5 minutes.	
to the hour.		
I can draw the hands on a clock face to show these times.		
	<ul> <li>I can choose appropriate units to measure in and compare and order measurements.</li> <li>I can record measurements using the &lt;, &gt; and = signs.</li> <li>I can combine amounts of money to make a given value.</li> <li>I can use different coins to make the same amount.</li> <li>I can solve simple problems involving money and give the correct change.</li> <li>I can tell and write the time to the nearest 15 minutes including quarter past and quarter to the hour.</li> </ul>	





	Geometry: Properties of Shapes	
I can compare and sort common 2D and 3D shapes and everyday objects. Name some common 2D and 3D shapes from a group of pictures of the shapes and describe some of their properties (eg triangles, rectangles, squares, circles, cuboids, cubes, pyramids and spheres). I can identify 2D shapes on the surface of 3D shapes.	<ul> <li>xI can identify and describe the properties of 2D shapes including the number of sides, vertices and lines of symmetry.</li> <li>I can identify and describe the properties of 3D shapes including the number of edges, vertices, faces and lines of symmetry.</li> <li>I can identify and describe a vertical line of symmetry.</li> </ul>	Describe similarities and differences of 2D and 3D shapes, using their properties (eg, that two different 2D shapes both have only one line of symmetry, that a cube and cuboid have the same number of edges, faces and vertices, but different dimensions.
	Geometry: Position, Direction, Motion	
I can recognise, continue and make my own patterns.	I can recognise, continue and make my own sequences of numbers.	Work with patterns of shapes and predict what will come next.
I can use the correct mathematical words to describe position, direction and movement. I can recognise right angles as quarter turns.	I can make quarter, half and three quarter turns clockwise and anti-clockwise.	Understand the concept and language of angles (right angles) to describe 'turn' by applying rotations, including in practical contexts.
	Statistics	
Ask and answer simple questions by counting the number of objects in each category and sorting categories by quantities. I can make my own simple pictograms, tally charts, block diagrams and simple tables.	I can interpret simple pictograms, tally charts, block diagrams and simple tables. I can ask and answer questions about totalling and compare data.	Recognise simple pictograms, tally charts, block diagrams and tables. Be able to ask more complex questions about simple pictograms, tally charts, block diagrams and tables.