

Number sense 3.5	Length of unit: 3 weeks	Week beg:	Year: 3	Teacher:
<p>Success criteria</p> <p>Pupils can explain and show how and when their counting is useful for adding and subtracting and make appropriate decisions about when to use their understanding of place value for solving problems including adding and subtracting.</p>	<p>Prior Learning:</p> <p>Check that children can already</p> <ul style="list-style-type: none"> ● count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward ● recognise the place value of each digit in a two-digit number (tens, ones) ● identify, represent and estimate numbers using different representations, including the number line ● compare and order numbers from 0 up to 100; use >, < and = signs read and write numbers to at least 100 in numerals and in words ● use place value and number facts to solve problems ● compare and order lengths, mass, volume / capacity and record the results using >, < and = ● compare and sequence intervals of time ● recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers ● choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); mass (kg / g); temperature (°C); capacity (litres / ml) to the nearest appropriate unit; using rulers, scales, thermometers and measuring vessels ● interpret and construct simple pictograms, tally charts, block diagrams and simple tables ● ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity 		<p>Resources</p> <p>Maths vocabulary book</p> <p>Using and Applying in every maths lesson</p> <p>Assessment through guided maths</p> <p>Think Maths!</p> <p>Pitch and Expectations Y3</p> <p>Models and Images</p> <p>Overcoming Barriers to Learning L2 to L3/L3 to L4</p> <p>Securing Level 3/Level 4</p>	
<p>Guidance</p> <p>Pupils connect tenths to place value and decimal measures and to division by 10.</p> <p>See also guidance for sequence 3.1.</p>				

Learning objectives

Pupils should be taught to:

Number and place value

- identify, represent and estimate numbers using different representations
- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- recognise the place value of each digit in a three digit number
- compare and order numbers up to 1000
- read and write numbers up to 1000 in numerals and in words
- solve number problems and practical problems involving these ideas

Measurement

- tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12 hour and 24 hour clocks
- measure, compare, add and subtract; lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Fractions

- count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and dividing one-digit numbers or quantities by 10

Pupil outcomes:

I can explain and represent how I know that 780ml is more than 708ml and suggest numbers that would be easy to subtract from each of these, using my understanding of place value.

I can count in tenths from 7.5 and explain and represent what happens when I reach 7.9.