



Unit Aim: The aim of the unit is for chn to understand place value. By this they will understand the worth of each number (using a place value grid) and be able to order numbers depending on their values. They will be able to say what a number is worth, depending on where it is positioned (eg 35= 3 tens and 5 ones). They will be able to compare numbers to say what ones are more or less. They will be able to count objects in larger groups (100's/ 1000's). To use partitioning to calculate values. To use partitioning.

Year 7 to position numbers using decimals. Calculate the range of a set of numbers. Order and compare numbers up to one billion. Round numbers to one significant figure.

Prior Learning: Chn have previously learnt about place value- knowledge that will be further extended with bigger numbers and place value grids that reflect those numbers. Children can order numbers- will order greater values and order a wider range
Chn have been learning their times tables

Future Learning:

To use partitioning for addition and subtraction for the next unit.

To use number value to order the number in order to complete calculations (knowing for subtraction the bigger number must be t the top, but that is not the case when adding). Times tables to become more secure.

Unit Expectations:

All: Will understand the value of numbers using place value grids

Some: will be able to under stand the value of numbers without using place value grids

A Few: Will be able to compare and order different vales of numbers without using place value grids

Links with other subjects: Art, History (events on time line), English (spelling and expanded vocabulary)

Pupil Asset Milestones to be achieved:

Year 2

Counts in steps of 2,3, and 5 from 0 and in tens from any number, forward and backward

Recognise the place value of the digit in a two-digit number (tens, ones)

Compares and order number numbers from 0 to 100; use <, > and = signs

Year 3

Recognise the place value of each digit in three-digit number (hundred, tens, ones)

Compare and order numbers up to 1000

Reads and writes numbers up to 1000 in numerals and in words

Year 4

Counts backwards through zero to include negative numbers

Recognise the place value of each digit in four -digit numbers

Order and compare numbers beyond 1000

Year 7

Reads, writes, orders and compares numbers up to a billion

Solve numbers and practical problems

Week	Monday	Tuesday	Wednesday	Thursday
1	<p>Lesson Objective Activities Monday – LO: Place value Year 2: To Recap counting forward and backward within 20 Year 3: Recap represent numbers to 100 Year 4: Recap numbers to 1000 Year 7: Recognise the place value of any number in an integer up to one billion</p>	<p>Lesson Objective Activities Tuesday – LO: Place value Year 2: To reap tens and ones within 20 Year 3: recap tens and ones using addition Year 4: Recap 100's , 10's and 1's Year 7: Understand and write integers up to one billion in words and figures</p>	<p>Lesson Objective Activities Wednesday – LO: Place value Year 2: Recap counting forward and backward within 50 Year 3: Hundreds Year 4: Count in 1000 Year 7: Work out intervals on a number line Starter Activity</p>	<p>Lesson objective: Revise Activities: The chn will complete a differentiated maths revision mat. They will also revise their times tables through a game working with their peers.</p>

	<p>Starter activity: Counting to 20 or beyond and back. 10 100</p>	<p>Starter activity Counting to 20 and beyond and back</p>	<p>Counting again to 50 today and back</p>	
2	<p>Learning Objective Activities</p> <p><u>Monday – LO:Place value</u> Year 2: Recap tens and ones within 50 Year 3: Numbers to 1000 Year 4:Recap numbers to 1000 Year 7: Position integers on a number line</p> <p>Starter activity: What number am I?</p>	<p>Learning Objective Activities</p> <p><u>Tuesday – LO: Place value</u> NO worksheet for year 3-teacher led activity lesson. Year 2: Count objects to 100 and read and write numbers in numerals and words Year 3: Activity numbers to 1000 on place value grid Year 4: Round to nearest 10. Number on number line Year 7: Starter activity What number am I? /Word matches</p>	<p>Learning Objective Activities</p> <p><u>Wednesday – LO: Place value</u> Year 2: Count objects to 100 and read and write numbers in numerals and words Year 3: 100's, 10's, 1's (Lesson 1) Year 4: Round to nearest 100 Year 7: Compare two numbers using =, ≠, <, >, ≤, ≥</p>	<p>Lesson objective: Revise</p> <p>Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>
3	<p>Learning Objective Activities</p> <p><u>Monday – LO: Place value</u> Year 2: Represent numbers to 100. What am I? Year 3: 100's, 10's, 1's (Lesson 2) Year 4: 1000's, 100's, 10's 1's Year 7: Order a list of integers Starer Using part whole model</p>	<p>Learning Objective Activities</p> <p><u>Tuesday – LO: Place value</u> Year 2: Tens and ones with part-whole model Year 3:Recap number line to 100 Year 4: Represent numbers to 10,000 Year 7: Find the range of a set of numbers Starter</p>	<p>Learning Objective Activities</p> <p><u>Wednesday – LO: Place value</u> Year 2: Tens and ones using addition. Part while addition Year 3: Number line to 1,000 Year 4: Number line to 10,000 Year 7: Find the median of a set of numbers</p>	<p>Lesson objective: Revise</p> <p>Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>

		Using part- whole model		
4	<p>Lesson Objective Activities</p> <p><u>Monday – LO: Place value</u> Year 2: Use place value chart Year 3: Find 1, 10, 100 more or less Year 4: Recap: Find 1, 10, 100 more/less Year 7: Understand place value for decimals</p> <p>Starter Place value grid (laminated) Position numbers Eg. 31, 21 etc</p>	<p>Learning Objective Activities</p> <p><u>Tuesday – LO: Place value</u> Year 2: Compare objects Year 3: Compare objects Year 4: Compare 4 digit numbers Year 7: Position decimals on a number line</p> <p>Starter What's more or less? How do you know?</p>	<p>Lesson Objective Activities</p> <p><u>Wednesday – LO: Place value</u> Year 2: Compare objects and numbers Year 3: Compare numbers Year 4: Partitioning Year 7: Compare and order any number up to one billion</p> <p>Starter Number line each.. What is bigger than...? Smaller than....</p>	<p>Lesson objective: Revise Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>
5	<p>Lesson Objective Activities</p> <p><u>Monday – LO: Place value</u> Year 2: Recap counting in 2's Year 3: Order numbers Year 4: Order numbers Year 7: Round a number to 1 significant figure</p> <p>Starter Numbers bigger / smaller from 2 times table-Can they order them?</p>	<p>Lesson Objective Activities</p> <p><u>Tuesday – LO: Place value</u> Year 2: Recap counting in 5's. Clap each multiple of 5 Year 3: Count in 50's Year 4: Count in 25's Year 7: Round a number to 1 significant figure</p>	<p>Lesson Objective Activities</p> <p><u>Wednesday – LO: Place value</u> Year 2: Count in 3's Year 3: New Topic: Addition and Subtraction Recap add and subtract (1) Year 4 : Negative numbers Year 7 Write 10, 100, 1000 etc. as powers of 10 (H)</p>	<p>Lesson objective: Revise Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>

6	<p>Lesson Objective Activities New topic: Primary- Number addition and subtraction. Year 7 - Spring Block 1 - Addition & Subtraction</p> <p><u>Monday – LO: Addition and subtraction</u> Year 2: New Topic: Number addition and subtraction + subtraction bonds to 20 Year 3: Add and subtract multiples of 100 Year 4: New topic: Add and Subtract 1’s, 10’s, 100’s, 1,000’s Year 7: Properties of addition and subtraction Starter Make 10 using fingers. Making 20?</p>	<p>Lesson Objective Activities</p> <p><u>Tuesday – LO: Addition and subtraction</u> Year 2: Check calculations Year 3: Add and subtract 3 digit numbers (not crossing 10) Year 4: Recap :Add two 3 digit numbers (not crossing 10/100) Year 7: Mental strategies for addition and subtraction Starter How do you know that your answer is right?</p>	<p>Lesson Objective Activities</p> <p><u>Wednesday – LO: Addition and subtraction</u> Year 2: Compare number sentences Year 3: Recap: Add a 2 digit and 1 digit number (crossing 10) Year 4: Add two 4 digit numbers, no exchange Year 7: Use formal methods for addition of integers</p> <p>Starter Shared word problem. Eg I had one sweets, mum gave me four more. Key question: What do you need to do?</p>	<p>Lesson objective: Revise</p> <p>Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>
7	<p><u>Monday – LO: Addition and subtraction</u> Year 2: Know your bonds Year 3: Add 3 digits and 1 digit numbers (crossing 10) Year 4: Recap: Add two 3 digit numbers crossing 10 or 100</p>	<p><u>Tuesday – LO: Addition and subtraction</u> Year 2: Add and subtract 1. What is 1 more/less? (Harder 10 more or less) Year 3: Recap: Subtract 1 digit number from 2 digit number Year 4: Add two 4 digit numbers (one exchange)</p>	<p><u>Wednesday – LO: Addition and subtraction</u> Year 2: 10 more/less, counting in 10’s Year 3: Subtract a 1 digit number from a 3 digit number (crossing 10) Year 4: Add two 4 digit numbers (more than one exchange)</p>	<p>Lesson objective: Revise</p> <p>Activities: The chn will complete a differentiated maths revision mat.</p> <p>They will also revise their times tables through a game working with their peers.</p>

	Year 7: Use formal methods for addition of decimals Starter Number bonds to 10/20 revisited	Year 7: Use formal methods for subtraction of integers	Year 7: Use formal methods for subtraction of decimals	
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