Using Place Value : Maths : Year 3 : Spring Term

PlanBee

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To recognise the place value of each digit in a three-digit number.	Children will recap what each digit is worth in a three-digit number, and be able to read and write numbers up to three-digits in numerals and words. They will practically add multiples of ten to a given number to reinforce their understanding of place value addition.	• Can children write a three-digit number? • Can children explain the value of each digit in a three-digit number? • Can children make a three-digit number using objects?	• Slides • Worksheet 1A/1B/1C • Number Cards A • Place Value Cards (FSD? activity only) • Number Cards B/C (FSD? activity only) • Digital Camera • H, T, O blocks
Lesson 2	To solve addition problems involving three-digit numbers.	Your class will partition three-digit numbers practically as well as through the use of place value cards. They will add base ten numbers and two-digit numbers to a given three-digit number.	• Can children say the value of each digit in a three-digit number? • Can children use partitioning to help them solve addition problems? • Do children use objects, draw pictures or work in the abstract to solve the problems?	• Slides • Worksheet 2A/2B/2C • Place Value Cards • Number Cards (FSD? activity only) • Addition Cards O/T/H (FSD? activity only) • Digital Camera • H, T, O blocks
Lesson 3	To solve addition and subtraction problems involving three-digit numbers.	Children will begin to move away from solving problems practically with objects as they work towards solving problems in the abstract using partitioning. They will add two-digit and three-digit numbers to a given three-digit number.	• Can children partition a three-digit number? • Can children use partitioning to help them solve addition and subtraction problems? • Do children use objects, draw pictures or work in the abstract to solve the problems?	• Slides • Worksheet 3A/3B/3C • Place Value Cards • Number Sentence Cards (FSD? activity only) • Digital Camera • H, T, O blocks
Lesson 4	To solve addition and subtraction word problems involving three-digit numbers.	Children will partition numbers in order to add or subtract them using a number line. They will work out what the given word problems are asking them to do and then write the question as a number sentence before solving it. There is also the chance to create some word problems of their own.	• Can children use partitioning to help them solve addition word problems? • Can children use partitioning to help them solve subtraction word problems? • Do children use objects, draw pictures or work in the abstract to solve the problems?	• Slides • Worksheet 4A/4B/4C • Place Value Cards • Number Cards O/T/H (FSD? activity only) • Digital Camera
Lesson 5	To solve addition and subtraction word problems involving three-digit numbers.	Children will consolidate their knowledge of place value by solving three-part word problems using number lines. The problems will involve addition and subtraction and bridging ten. Higher-ability children are challenged to bridge a hundred.	• Can children use partitioning to help them solve word problems? • Can children work out what a word problem is asking them to do? • Do children use objects, draw pictures or work in the abstract to solve the problems?	• Slides • Worksheet 5A/5B/5C • Place Value Cards • Number Cards T/H (FSD? activity only) • Operations Cards (FSD? activity only) • Challenge Cards (FSD? activity only) • H, T, O blocks

NB: 'FSD? Activity only' refers to the alternative 'Fancy Something Different...?' activity within the lesson plan