## Column addition lesson plan

DAY	We Are Learning To (WALT):	MODEL / INTRODUCTION	INDEPENDENT WORK	PLENARY
	Mental:  Main: Use column addition (without partitioning)	Main: TA to take children who are unable to add a 1-digit number to a 2-digit number (e.g. 47 + 8) and / or are unable to add multiples of 10 (e.g. 40 + 20) Practice counting up to 100, especially focusing on crossing tens barriers Practice counting up to 100 in tens Calculate mentally by putting first number in head and counting on, using fingers to keep count Work on setting these questions out in columns and calculating them mentally  Go through PowerPoint with the following:  Revise what column and vertical mean Revise 4 key teaching points (see below)  Explanation of how when the units column is full i.e. has 10 units in it, these 10 units need to move next door to the tens and become 1 ten, with several examples  Go through examples of how to add 2-digit and 3-digit numbers e.g.    1	(At regular intervals have children stop and check their work against success criteria)  Lower ability – add 1-digit numbers to 2-digit numbers (give number line if really cannot work without it)  Middle ability – add 2-digit numbers (with carrying)  Higher ability – add 3-digit numbers (with carrying)  Extension – add 4-digit numbers and numbers with decimal places (with carrying)	Have children self-asses their work against the success criteria In ability partners given children 1 question to do each Children need to talk to their partner, explaining what they are doing e.g. I will put the 6 under the 8 because they are bounits. Then I will put the 40 under the 20 because they are bounits. Then I draw mequals line with a ruler. Then I start on the right and add the units first, carrying a ten and writing it under the tens, and then add the tens Children swap over and partner who spoke first now lister