Broadmayne First School Knowledge Organiser

Maths Focus	Addition and Subtraction	Year 4	Autumn Term 2

Addition Vocabulary	Subtraction Vocabulary
add	subtract
altogether	take away
sum (also known as total)	difference
plus	minus
more	less

regrouping
renaming
calculate
estimate
inverse

Practical resources

Place value tokens, Dienes, Place Value Chart.

Using inverse to check

3476 – 744 = 2732 can be checked using
2732 + 744 = 3476

Bar Modelling

A bar model shows our understanding of a problem. It is a picture to show how the problem can be solved.
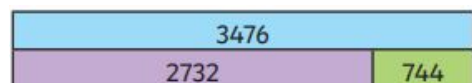
Find the sum of 136 and 245.

136	245

sum

total

sold	left

Rounding to estimate

1635 + 386 = 2021

Round to the nearest ten

1640 + 390 = 2030

Round to the nearest hundred

1600 + 400 = 2000

Key Knowledge

Addition			Subtraction		
No regrouping	Regrouping one column	Regrouping in multiple columns	No renaming	Renaming in one column	Renaming in multiple columns
5162 +3427 ——— 8589	5162 +3497 ——— 8659 ₁	5864 +3497 ——— 9361 ₁₁₁	5789 - 3421 ——— 2368	⁶ ¹5749 - 3471 ——— 2278	⁶¹³¹5742 - 3476 ——— 2266
Starting with the ones, add each column in turn.	Starting with the ones, add each column in turn. If the total is more than 9 groups, you will need to regroup into the next column. Eg, 6 tens + 9 tens = 15 tens, therefore 5 tens remain in T column and 10 tens are regrouped as 1 group of 100.		Starting with the ones, subtract each column in turn.	Starting with the ones, subtract each column in turn. If you are unable to subtract because the number is smaller, you can rename a group from the previous column. Eg, 4 tens - 7 tens then rename 10 tens from the hundreds to make 14 tens - 7 tens.	