Advanced Addition

Addition is the process of making a number or value **larger** by combining numbers. It is important to remember that the sum of two numbers is usually larger than the two added numbers. Think of all the ways you add in your life!

Vocabulary	
Addition	**Combining** one or more quantities together to find a (larger) sum.
Regrouping / **Composing**	**Grouping ten** of a smaller place value and changing it **into one** of a larger place value. EX: Ten tens composes into one hundred.

Adding without composing 584 + 312 = _____ 	500 | 80 | 4 300 | 10 | 1 _____ = 394 + 179

Adding without composing

584 + 312 = _____

500	80	4
300	10	1

_____ = 394 + 179

Adding with composing in the 1's

324 + 558 = _____

	10	
300	20	4
500	50	8
800	80	(1)2

297 + 412 = _____

Adding with composing in the 10's

128 + 790 = _____

100		
100	20	8
700	90	0
900	(1)10	8

_____ = 538 + 222

Adding with composing in the 1's and the 10's

479 + 336 = _____

100	*10*	
400	70	9
300	30	6
800	(1)10	(1)5

333 + 567 = _____

Advanced Subtraction

Subtraction is the process of making a number or value **smaller** by removing a quantity from a number. It is important to remember that in third grade, the smaller number is subtracted away from the larger number. Think of all the ways you subtract in your life!

Vocabulary	
Subtraction	**Removing** an amount from a given quantity to find a (smaller) difference.
Borrowing / **Decomposing**	**Breaking down** <u>one</u> of a larger place value and **changing it into** <u>ten</u> of a smaller place value. EX. One ten decomposes into ten ones.

Subtracting without decomposing

642 - 420 = _____

600	40	2
400	20	0

610 - 386 = _____

Subtracting with decomposing in the 10's

517 - 209 = _____

0 ↷

500	(~~10~~)	1 7
200	0	9
300	0	8

_____ = 378 - 179

Subtracting with decomposing in the 100's

604 - 523 = _____

500 ↷

(~~600~~)	1 00	4
500	20	3
0	80	1

400 - 153 = _____

Subtraction with decomposing in the 10's and 100's

900 - 789 = _____

800 ↷ *90* ↷

(~~900~~)	(~~1 00~~)	1 0
700	80	9
100	10	1

_____ = 732 - 485