

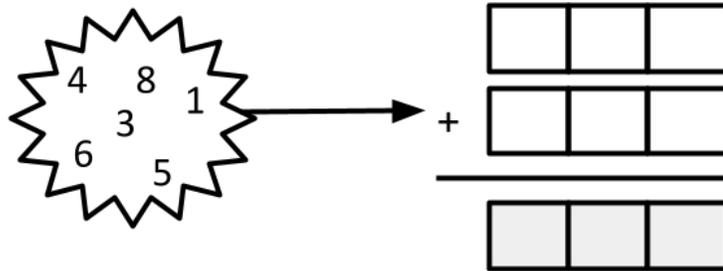


Problem of the Week

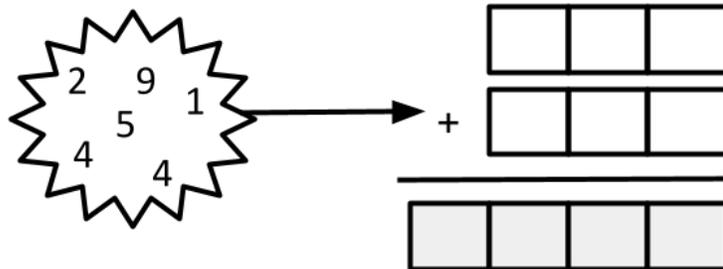
Problem A

Just Filling In

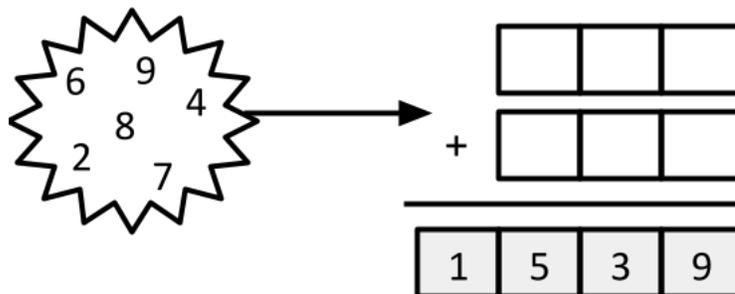
- (a) Arrange the numbers 4, 8, 1, 6, 3, and 5 to form two 3-digit numbers with the *smallest* possible sum.



- (b) Arrange the numbers 2, 9, 1, 4, 5, and 4 to form two 3-digit numbers with the *largest* possible sum.



- (c) Arrange the numbers 6, 9, 4, 2, 8, and 7 to form two 3-digit numbers that add to 1539.



For each part, how many different solutions can you find?