патте	uass	Date	
11-1 Activity:	Word Analysis as and Combinations		
	wo students. Parts A and B show	ald be done as a group	(7.6.5)
Part A 1. Find the number of distinct word COMBINE.	et three-letter combinations of th	e letters that make up the	(3.2-1)
word COMBINE.	et three-letter permutations of the	210	
actual examples from the	word COMBINE.	5 for 41 Same as	INE IS NEL WEN
	ct three-letter combinations of th		

- **5.** Find the number of distinct three-letter permutations of the letters that make up the word PERMUTE.
- 6. How does Part B differ from Part A? Explain what you had to do to resolve the difference.
- 7. Write the statement for Part B that parallels $35 \cdot 6 = 210$ from Part A.

Part C

Using the letters in your first, middle, and last names, find the following:

- 8. The number of distinct four-letter combinations.
- 9. The number of distinct five-letter permutations.
- 10. Try to find two English words of four or more letters using the distinct letters in your name.

Bonus: How many of the four-letter combinations from Exercise 8 contain a vowel?