


**NJ ASK  
Practice**

**DIRECTIONS FOR QUESTIONS 1 THROUGH 6: Read each question. Circle the letter of the answer you choose.**

**1** Joaquin is experimenting with the letters of the word LINE. If no repetition of letters is allowed, how many 4-letter arrangements are possible?

- A. 48
- B. 24
- C. 12
- D. 6

**2** A snack bar serves 3 kinds of soup, 8 kinds of sandwiches, and 5 kinds of beverages. If a meal consists of a soup, a sandwich, and a beverage, how many different meals are possible?

- A. 16
- B. 60
- C. 76
- D. 120

**3** Georgia is using the digits 0, 1, 2, and 3 to create two-digit numbers. If no repetition of digits is allowed, how many two-digit numbers are possible?

- A. 9
- B. 8
- C. 7
- D. 6

**4** In the four periods before lunch, Romina will take algebra, biology, French, and English. In how many ways can Romina's morning program be arranged?

- A. 4
- B. 16
- C. 24
- D. 48

**5** Basil is at a diner whose take-out menu offers 5 appetizers, 3 soups, 4 entrées, and 4 desserts. How many different meals consisting of either an appetizer or a soup, one entrée, and one dessert can Basil order?

- A. 16
- B. 128
- C. 240
- D. 256

**6** Lisa is using the letters of her name to make 4-letter arrangements. She is using each letter only once and she wants to have a vowel in the first and last places. How many such arrangements are possible?

- A. 4
- B. 6
- C. 8
- D. 12

	<b>NJ ASK Tip</b>
List Make an organized list of the possible arrangements.	