

Review questions:

At a restaurant you may order from 9 beverages, 4 salads, 5 soups, 12 entrees, and 7 desserts. You may also decline to order any of the items listed. Calculate how many meals you can order. In your calculation you should include possibilities like the *starvation special* of ordering no drink, no salad, no soup, no entree and no dessert, or ordering only a drink, soup and a salad, but no entree and no dessert.

- a) 31200 b) 15140 c) 435897 d) 483840
e) none of these

A bag contains 4 red pegs and 6 blue pegs. Two pegs are chosen in succession without replacement and their colors are observed. What is the probability of choosing a blue peg on the second draw if a red peg was chosen first?

- a) $3/5$ b) $2/3$ c) $4/15$ d) $8/15$ e) $5/9$