A doctor visits ner patients during morning rou	inds. In now many ways can the d	octor visit 4 patients during the morning rounds?
Answer :		
2. A coordinator will select 6 songs from a list of 1 lineups are possible?	13 songs to compose an event's n	nusical entertainment lineup. How many different
Answer :		
3. How many ways can Aileen choose 3 pizza topp	pings from a menu of 19 toppings	if each topping can only be chosen once?
4. 7 cards are drawn from a standard deck of 52 without replacement?	playing cards. How many differen	t 7-card hands are possible if the drawing is done
Answer :		
5. A person tosses a coin 7 times. In how many w	ays can he get 5 heads?	
Answer :		
6. Evaluate the following expression.	6!	
7. Evaluate the following expression.	10! 7!	
8. Evaluate the following expression.	12! 10! 2!	

9. Evaluate the following expression.	$\frac{9!}{6!(9-6)!}$
10. Evaluate the following expression.	₈ P ₅
11. Evaluate the following expression.	$_{11}C_6$
 You are ordering a hamburger and can get up to surprise you with the toppings you get. What is decimal number rounded to four decimal places 	o 6 toppings, but each topping can only be used once. You tell the cashier to the probability that you get 3 toppings? Express your answer as a fraction or a s.
13. In how many ways can the letters in the word 'P	opulation' be arranged?
14. Ben wants to buy a new collar for each of his 2 of Step 1 of 2: How many selections of collars for the 2 dogs are	dogs. The collars come in a choice of 7 different colors. re possible if repetitions of colors are allowed?
Answer:	
Step 2 of 2: How many selections of collars are possible if re	epetitions of colors are not allowed?
Answer:	

	ustomer account "numbers" for a certain company consist of 3 letters followed by 5 numbers. tep 1 of 2:
	low many different account numbers are possible if repetitions of letters and digits are allowed?
A	nswer :
	tep 2 of 2:
Н	low many different account numbers are possible if repetitions of letters and digits are not allowed?
	nswer:
16. H	low many ways can 7 desks and 5 stools be chosen from a shipment of 13 desks and 7 stools?
A	nswer:
	low many ways can a delegation of 3 Republicans, 4 Democrats, and 2 Independents be selected from a group of 9 Republicans, 6 Democrats, and 4 Independents?
A	nswer:
	certain congressional committee consists of 14 senators and 13 representatives. How many ways can a subcommittee of 5 be
fc	ormed if at least 4 of the members must be representatives?
	nswer:
	a coin is tossed 3 times, and then a standard six-sided die is rolled 3 times, and finally a group of three cards are drawn from a
2	tandard deck of 52 cards without replacement, how many different outcomes are possible?
Δ	DEWAY:
	nswer :
	veggie wrap at City Subs is composed of 3 different vegetables and 3 different condiments wrapped up in a tortilla. If there are 8 egetables, 8 condiments, and 5 types of tortilla available, how many different veggie wraps can be made?
21. M	laya is picking out material for her new quilt. At the fabric store, there are 13 solids, 6 striped prints, and 6 floral prints that she
Cá	an choose from. If she needs 4 solids, 3 floral prints, and 4 striped fabrics for her quilt, how many different ways can she choose
th	ne materials?