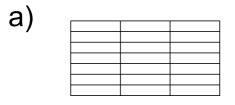
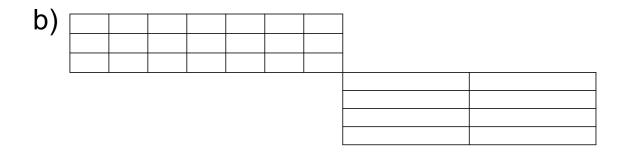
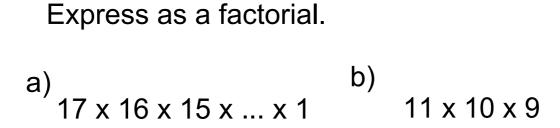
How many different routes?





Evaluate:

a) 4! 9!	b)	<u>10!</u>	c) <u>423!</u>
8!		4!3!	420!





Evaluate: a) $\frac{n!}{(n-1)!} = 4$ b) $\frac{(n+2)!}{5(n+1)!} = 4$

Evaluate:

Evaluate without using the "C" and "P" buttons. a) $50^{\circ}48$ b) $50^{\circ}48$

Ten boys and eight girls have signed up for a trip. Only 5 students will be selected to go on the trip. Determine the probability that only boys will be on the trip. How many 6 person committees can be formed from a group of 7 teachers and 6 students if there must be exactly 4 students on the committee?

There are 10 boys and 15 girls in a class. A group of 7 students is needed to work on a project. If at least 4 boys are needed, how many different groups of 5 students are possible? Twenty-five Boomerang leaders are signing up for training courses that have

a limited number of spaces.

Course	Number of people
1	6
2	4
3	8
4	7

How many ways can the 25 leaders be placed in the four courses?