

Name _____ ID _____

Activity 7-1 (11 Aug 2022)

1. How many anagrams can you make from the word INNOVATION?

2. (LPV-3.4.1) In how many ways can you distribute all n pennies to k children if each child is supposed to get at least 2?

3. How many sorted lists of integer of length k consisting only integers from 1 to n are there? (Note that each integer can appear many times in the list. For example, when $k = 2$ and $n = 3$, there are 6 of them (i.e.: 1,1; 2,2; 3,3; 1,2; 1,3; and 2,3)).