(1) A language has 22 “normal” letters, and an additional 4 “final” letters which can only be used as the last letter of a word. The words in this language can end either with a normal or a final letter. If this language contains only words with three, four, or five letters. How many different words can be written in this language?

(2) *The Settlers of Catan* is a board game with a variable game board. This means that every game you can randomly set up the board so that it is different every time. The board consists of 19 hexagonal tiles- 4 pasture tiles, 4 hill tiles, 4 field tiles, 3 mountain tiles, 3 brick tiles, and 1 desert tile. In how many different ways can you set up the board?