1. There are 3 cases for the different combinations for the 4 letters.

    1) There is no ‘A’ in the 4 letters.
        Combinations = 6 * 5 * 4 * 3 = 360 combinations

    2) There is only 1 ‘A’ in the 4 letters.
        Combinations = $C\binom{4}{1}$ * 6 * 5 * 4 = 480 combinations

    3) There are 2 ‘A’s in the 4 letters.
        Combinations = $C\binom{4}{2}$ * 6 * 5 = 180 combinations

    Adding the possible combinations for all 3 cases, 360 + 480 + 180 = 1020 Combinations

    There are 1020 different strings of 4 letters using only the letters from the box.