Ques 1.

Multinomial $(20, 0.3, 0.4, 0.1)$

$0.3 + 0.4 + 0.1 = 0.8 \neq 1$

so, there are 4 components in
Multinomial $(20, 0.3, 0.4, 0.1)$
with $p_1 = 0.3$, $p_2 = 0.4$, $p_3 = 0.1$, $p_4 = 0.2$