1. A paper bag contains 18 items: 4 green marbles, 8 green cubes, 2 blue marbles, and 4 yellow cubes. Suppose 1 object is taken from the bag. Describe the probability of each event below, using these probability words:
$\begin{array}{lcl}\text { No chance } & \text { Nearly impossible } & \text { Unlikely } \\ \text { (roughly) Even chance } & \text { Likely } & \text { Almost certain Guaranteed }\end{array}$
Do NOT calculate any probabilities as numbers, but DO list favorable vs. unfavorable COUNTS.
(a) You get a blue marble.
(b) You get a marble.
(c) You get a green cube.
(d) You get a green object.
(e) You get an object that's not yellow.
(f) You get a red cube.
(g) You get an object that's green or yellow.
2. Thinking about the paper bag and its contents above, answer each question below. If not possible, explain. Answers can vary!!!
(a) How many blue cubes could be added to the bag to have a roughly even chance of getting an object that's blue?
(b) How many yellow cubes could be removed from the bag to make it almost certain that you get a green object?
(c) How many green objects could be added to the bag to make it impossible to get a blue object?
