TODAY'S AGENDA: March 27-28

- Work on Khan Academy Mission:
  - > Probability
- Today's Objective: Large-Group Lesson:
  - > Probability with Combinations and Permutations
- Today's Standard:
  - > Summarize, represent and interpret data on a single count or measurement variable.

Probability with Combinations & Permutations

Probabilities are fractions!

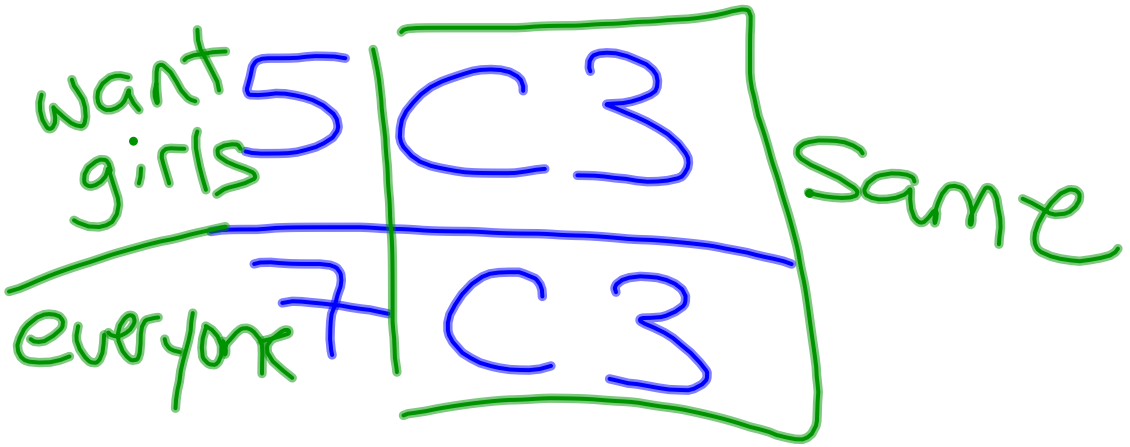
$P(\text{something}) = \frac{a}{b}$

$$\frac{\text{want}}{\text{everything}}$$

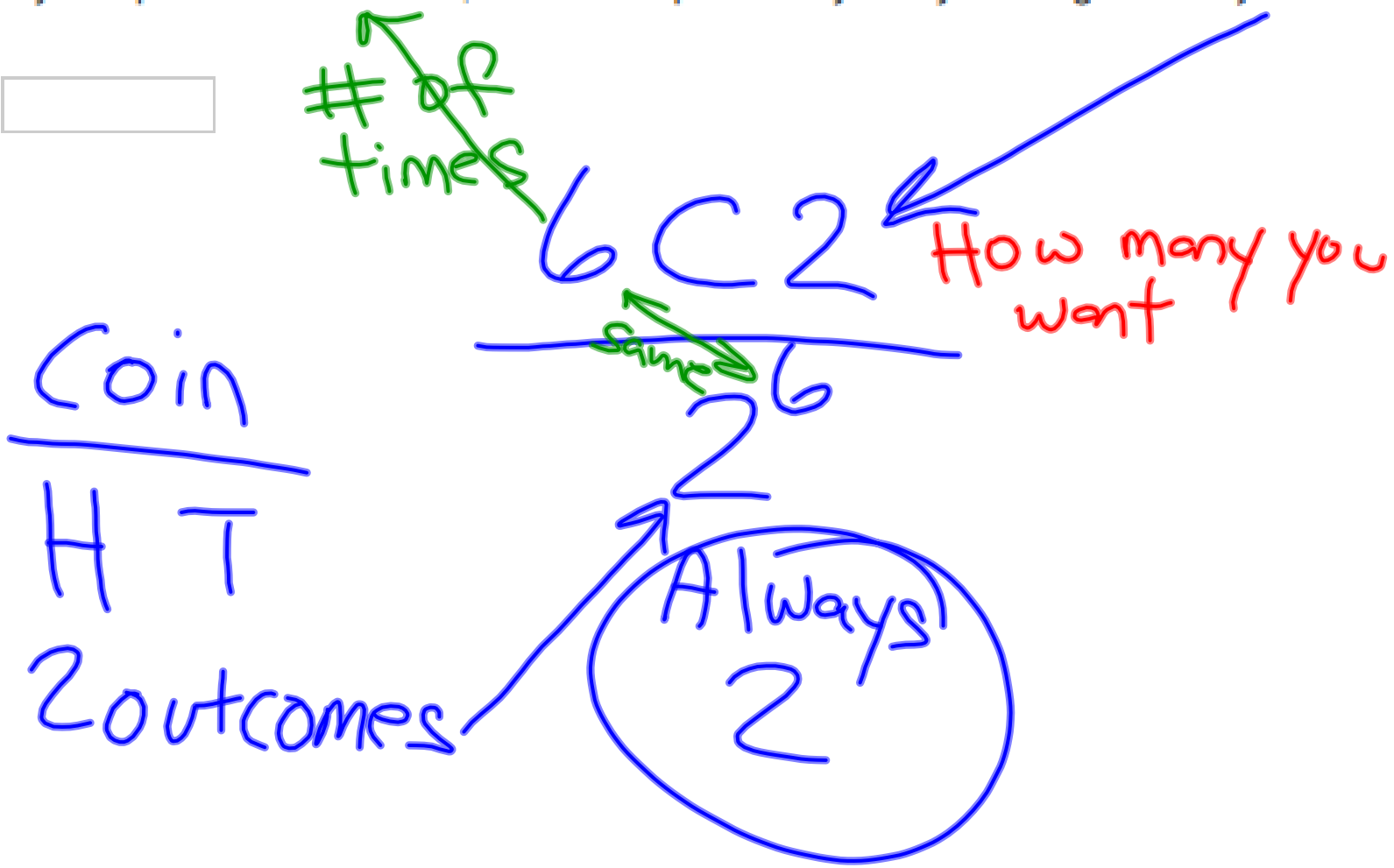
There are 7 students in a class: 2 boys and 5 girls.

If the teacher picks a group of 3 at random, what is the probability that everyone in the group is a girl?

2/7



If you flip a fair coin 6 times, what is the probability that you will get exactly 2 tails?



If you flip a fair coin 4 times, what is the probability that you will get exactly 3 tails?