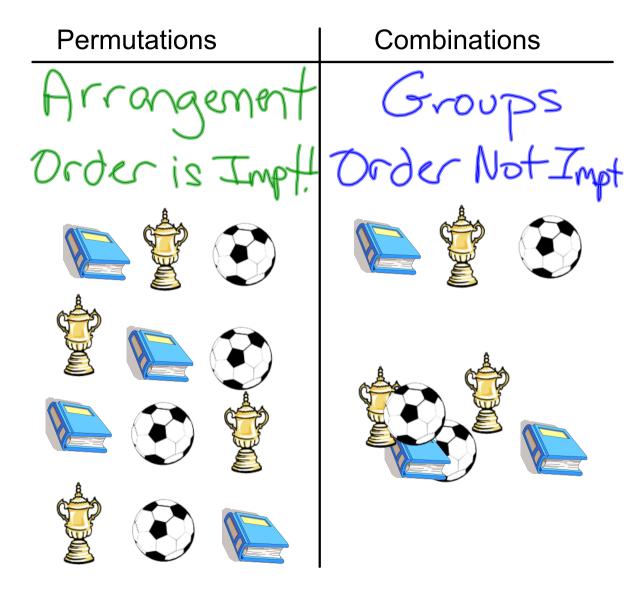
## TODAY'S AGENDA: March 22-23

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

## Permutations vs. Combinations



You have 6 reindeer, Jebediah, Bloopin, Balthazar, Ezekiel, Prancer, and Lancer, and you want to have 4 fly your sleigh. You always have your reindeer fly in a single-file line.

How many different ways can you arrange your reindeer?

How many unique ways are there to arrange the letters in the word TIGER?

120 5 PS How many You have You just got a free ticket for a boat ride, and you can bring along 3 friends! Unfortunately, you have 5 friends who want to come along.

How many different groups of friends could you take with you?



You just got a free ticket for a boat ride, and you can bring along 3 friends! Unfortunately, you have 6 friends who want to come along.

How many different groups of friends could you take with you?



Stephanie is packing her bags for her vacation. She has 7 unique books, but only 3 fit in her bag.

How many different groups of 3 books can she take?

