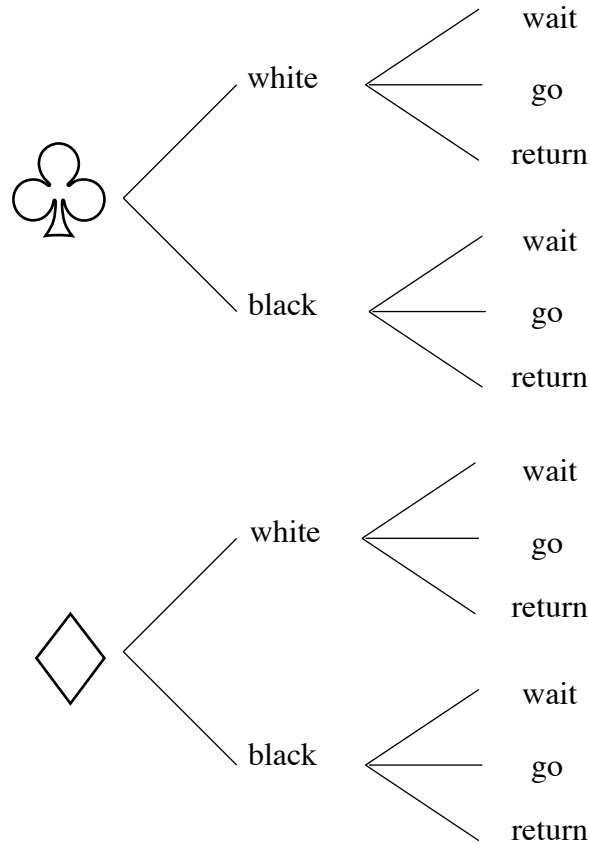# MathFLIX CHALLENGE

Fundamental Counting Principle Illustrated:*Practice*

For a survey, Jose wants to distribute different cards to each student. If he uses cards shaped as clubs and diamonds which are either white or black and have either the words wait, go or return, how many different combinations of cards could Jose create?

Use words, symbols or diagrams to solve the problem. Also, explain in words the steps you took to solve the problem and why you took those steps.

What do you see?
Can you predict the question?
Read the question.
Can you create all the different cards?
What is the answer to the question?

First, I looked at the diagram **because**_____

Second, I predicted the question from the diagram **because**_____

Next, I read the question **because**_____

Next, I made all of the combinations **because**_____

My answer is _____ **because**_____

Finally, I checked my work and labeled my answer **because** I wanted to get all 12 points for this answer.