

MathFLIX CHALLENGE

Card Combinations: *Difficult*

For a survey, Jose wants to distribute different cards to each student. If he uses cards shaped as hearts, diamonds, spades and clubs 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.
