

MathFLIX CHALLENGE

Fundamental Counting Principle Illustrated: Assessment

For a survey, Jose wants to distribute different cards to each student. He plans to use cards shaped as *hearts*, *diamonds*, *spades* and *clubs*. The cards will be either *black* or *white* and have either the words *wait*, *go* or *return* on them. How many different combinations of cards can Jose create? In the space below, use symbols, diagrams or numbers to solve the problem.

Use this space to explain in words the steps you took to solve the problem and why you took those steps.
