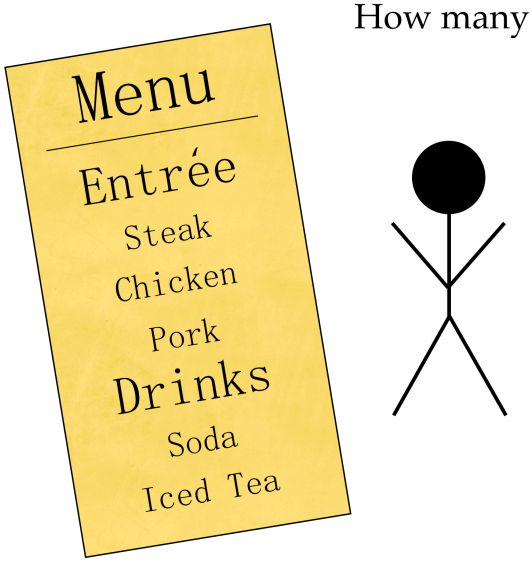
Fundamental Counting Principle

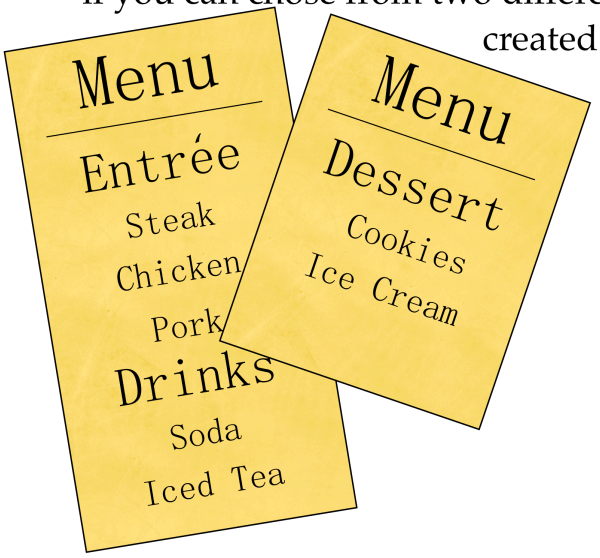
Name _____

Date _____ Period _____

Peter's Restaurant has two options for a drink and three options for an entrée. How many different meals can be created from these options



Peter's Restaurant has two options for a drink and three options for an entrée. if you can chose from two different desserts, how many different meals can be created from these options?



The Fundamental Counting Principle

if one event can happen in *m* ways and another event can happen in *n* ways, then there are *m* x n ways both events can occur.

Peter's Restaurant

3 entrées 2 drinks

options

3 entrées 2 drinks 2 desserts

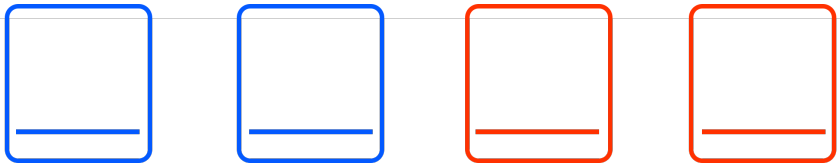
options

The Fundamental Counting Principle

if one event can happen in *m* ways and another event can happen in *n* ways, then there are *m* x n ways both events can occur.

How many four digit passwords can be created if the first two digits are numbers and the last two digits are letters

four events



number number letter letter