

Name (print) _____ Period _____

Next week the Math Club is hosting a cookout. Students can choose a main dish using any combination of 3 types of sandwiches and 7 condiments, as shown on the menu below.

Sandwiches	Condiments
hamburger	cheese
hot dog	chili
veggie burger	ketchup
	mustard
	onions
	pickles
	relish

- A. Amir wants a veggie burger with 3 different condiments. How many different main dish combinations are possible for Amir? Show all your work and explain why you did each step.

Continued. Please refer to the previous page for task explanation.

- B.** Lucy wants 2 different condiments on any kind of sandwich for her main dish. How many different main dish combinations are possible for Lucy? Show all your work and explain why you did each step.