

Cheeseburger Choices Challenge

Otto is having some friends over for a BBQ. He loves to grill up some cheeseburgers! He knows that some of his friends have different tastes and dietary requirements, so he is thinking about what ingredients to buy, and how many different types of burgers he might need to make.

He decides on these options:

Bun 	Burger 	Cheese 
Wholemeal roll Gluten free roll	Beef patty Chickpea patty	Cheddar cheese Vegan cheese

Now he is wondering, what are all the possible combinations that could be made if each person chooses the type of bun, burger and cheese that they would like?

For example, one option could be:

Bun	Burger	Cheese
Gluten free	Beef	Cheddar cheese

How many different cheeseburgers could Otto make with these ingredients?

Your mission today is to figure out every possible cheeseburger option that his friends could choose.