

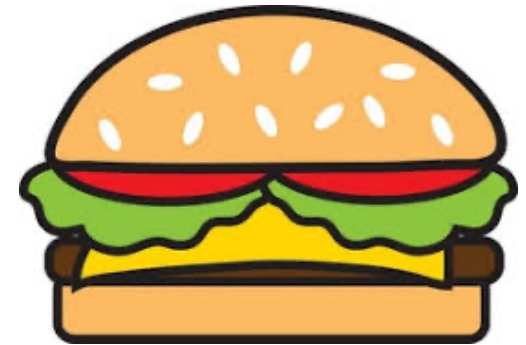
**Harder
version!**

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	Sauce:
Wholemeal roll Gluten free roll	Beef patty Chickpea patty Fried chicken patty	Cheddar cheese Vegan cheese	Tomato sauce BBQ sauce Mustard



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

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.

**Even harder
version!**

Still too easy? Give this even harder one a go:

Use the options listed in the table above, AND choose some salad options to add to the burgers and see how many options there are (e.g. tomato, lettuce).

Think about this question....

Are there any type of maths number sentences of operations you could use to know how many possible options there would be without having to draw them all out in a tree diagram?