

Make a List

Pizza Parlour

Sam visited the Pizza Parlour. On the menu there were ten different choices of toppings:

Cheese tomato pepperoni ham chicken onions peppers
pineapple mushroom beef

Sam decided to choose three toppings to go on his pizza. How many different pizzas could he make?

Faced with this sort of problem children often begin by using random choices. The creation of the pizzas becomes the perceived solution rather than the strategy of recording in a list systematically.

How do you
make a pizza?

This establishes the
understanding of the rules

How can you be sure
that you have not
used the same
combination twice?

Allows discussion of the
importance of keeping track of
what has been done. And the
importance of developing or
planning a systematic approach

How do you know
when you have found
all of the pizzas?

Establish the need to find all
possible combinations