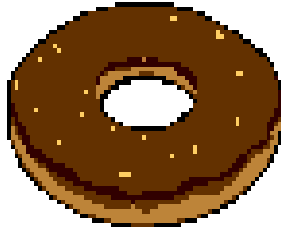


Doughnuts

Mr Jones, the baker, cooks doughnuts.
He makes them in three different sizes with four different toppings.

Large with chocolate icing

50p



Medium with custard

30p



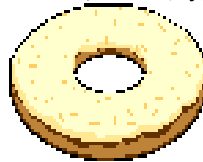
Small with jam

20p



Medium with white icing

30p



- How many different doughnuts does he make?
- Mr Jones decides to make an extra-large version and trials icing sugar as a new topping -
How many different doughnuts can he make now?

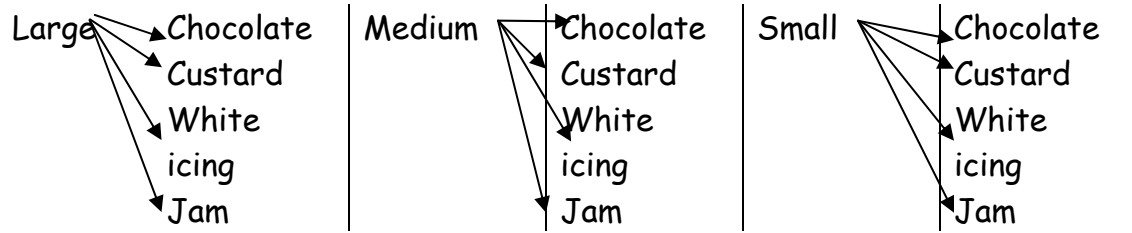
Mr Jones sells the doughnuts in boxes costing
£2.00 or £5.00.

Find combinations of doughnuts that could be in
each box

Learning and Teaching Objectives

- Have a system for finding all possibilities
- Organise the recording of possibilities (ordered list, table)
- Use a method of tracking what has been included and what has not
- Have a way of deciding when all possibilities have been found

Doughnuts Solution



12 types of doughnut (3 sizes x 4 toppings = 12)

With extra-large and icing sugar → (4 sizes x 5 toppings = 20)

20 types of doughnut