Activity One – Investigating Choices

Try the questions when your teacher asks you to do so.

Question 1   Fill in the table

MAIN COURSE	DESSERT
Burger	
Burger	

How many different choices does a customer have if she takes a main course and a dessert?_____choices.

Question 2   Draw arrows to show all the variations of choosing one main course and one dessert:

MAIN COURSE	DESSERT

How many different choices does a customer have if she takes a main course and a dessert?_____choices.

Question 3 Draw arrows to show all the variations of choosing one main course and one dessert:

MAIN COURSE	DESSERT

How many different choices does a customer have if she takes a main course and a dessert?_____choices.

Question 4 Draw a diagram, or otherwise, to help you find out how many types of cars are available?

Question 5 Looking back on your answers, complete the table with the information you have found:

Item 1	Item 2	Choices
1 Main Course	2 Desserts	
2 Main Courses	2 Desserts	
3 Main Courses	2 Desserts	
3 Cars	4 Colours	

Do you notice a pattern here?

You have discovered _____