

Please begin the lesson by completing a practise test of your times tables using maths frame. See how close you can get to 25. If you are getting 25, see if you can make your time even quicker!

Lesson:

Today, we will be solving correspondence problems. These are problems where you must find all possible combinations of something to work out lots of different solutions.

For example, in a shop there are 2 types of ice cream cones and 3 different flavours. The correspondence problem would ask us to find all the possible combinations you could make between the cones and the ice creams. Have a look at how I solve it below:

Cones types:	Ice cream flavours:
Waffle cone	Chocolate
Wafer cone	Vanilla
	Strawberry

To solve the problem, you must make a list of the combinations that can be made:

Waffle cone + chocolate

Waffle cone + vanilla

Waffle cone + strawberry

Wafer cone + chocolate

Wafer cone + vanilla

Wafer cone + strawberry

I have created a combination of 6 different ice creams. I created a list to work it out. Another way you can work it out is by multiplying the different groups together. In the cones group there are 2 different options. In the ice cream group there are 3 different options. $2 \times 3 = 6$. So I know my list is correct and the answer to the correspondence problem is 6.

Have a go at the questions on the website by using my two methods to solve the correspondence problems.

