








Finding all possibilities

	Solving the problem in steps	What to do
	Do you understand the question?	Explain what you think the question is asking you to do. You should expect others to listen to your ideas.
	Do others understand the question?	Listen to others explaining the question. Exchange any ideas if things are unclear.
	Get started on the problem.	Come up with a few random examples that fit the question.
	Organise your thinking.	Approach the task in a methodical way and organise answers in a list, diagram or table of results.
	Check your answers.	Go through the process again to see if any possibilities have been missed.
	Look for patterns.	Does the answer seem reasonable to you? If it doesn't seem right, it probably isn't!
	Change the problem slightly.	By making the task easier or harder, you might be able to predict the number of possibilities before working through it.

