Finding All Possibilities	EYFS	KS1	LKS2	UKS2
I know how to work systematically. I know how to check for repeats. I know how to satisfy the criteria with solution/s.	I know how to put items and objects, including pictures in order. I know when items are the same.	I know how I will put my answers in order. I know what resources to use. I know if I have some answers the same.	I know the best way to record the results. I know if some solutions repeated. I know if I have solved the problem and when there is more than one solution.	I know how to identify are the starting and stopping points. I know when some solutions are repeated and when it affects the outcome. I know when the criteria restrict the number of possibilities.
Logic	**EYFS**	**KS1**	**LKS2**	**UKS2**
I know how to identify the starting point by generalising or classifying. I know to check solutions to match the criteria.	I know how to find a starting point. I know what I should so next.	I know where the starting point is. I know that I must find the best clue. I know what is true and when I can be certain.	I know where the starting point is. I know how to find the best clue. I know when I can place information with certainty. I know when my deduction is accurate. I know how to present the solution.	I know where the most useful information is. I know how to find the generalisations and rules. I know that some information can be eliminated. I know the best way present the solution. I know when I have answered the question fully.
Patterns & Rules	**EYFS**	**KS1**	**LKS2**	**UKS2**
I know how to spot the pattern/rule and describe it mathematically.	I know what comes next. I know how to make a repeating pattern.	I know what a repeating pattern is. I know how to find the step size, following a rule.	I know what a repeating pattern is. I know how to follow a rule.	I know what a repeating pattern is and can predict sequences. I know how to apply a rule including more than one step.

I know how to design a process or arithmetic strategy using the rules.		I know how to describe patterns mathematically using signs and symbols. I know how to use the inverse.	I know when the pattern increases or decreases. I know how to apply inverse relationships. I know how to describe rules mathematically using signs and symbols.	I know when the rule increases or decreases or is incremental. I know how to apply inverse relationships and reverse strategies. I know how to describe rules mathematically using signs and symbols including expressions.
Word Problems	**EYFS**	**KS1**	**LKS2**	**UKS2**
Read and analyse the problem. Identify the steps. Calculate efficiently. Check the solution.	I know how to listen to the word problem story. I know what the story is about. I know how to find the answer.	I know what the narrative is about and what words tell me about the maths. I know what arithmetic I need to answer a one-step problem. I know how to answer a two-step problem. I know what arithmetic methods best and what resources I might choose. I know when I have answered the question correctly.	I know what the narrative is about and what words identify the operations needed. I know what arithmetic I need to answer a one-step problem, two-step or multi step problem. I know what arithmetic methods are efficient and what to record. I know when I have answered the question correctly and checked the context.	I know what the narrative is about and what words identify the operations, and the concepts needed. I know what arithmetic I need to answer a one-step problem, two-step, multi-step problem or complex problem. I know what arithmetic methods are efficient and what to record in sequences. I know when I have answered the question correctly and checked the context.